

# KANG JIAN

2026



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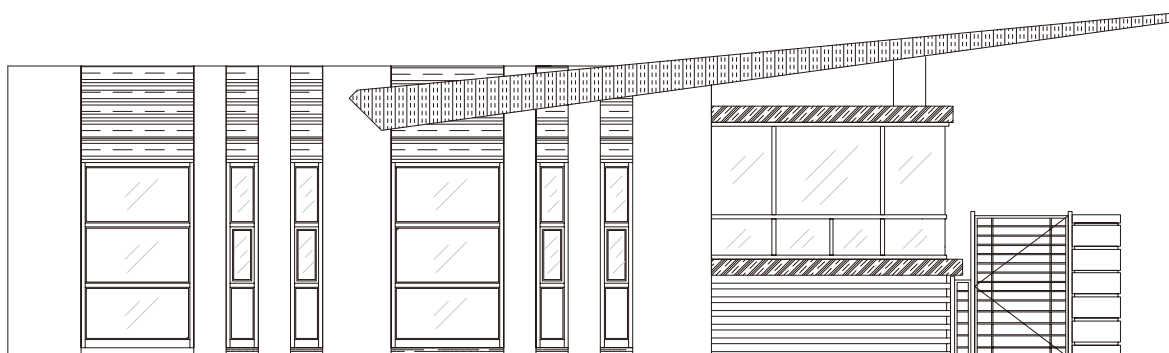
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# COMPANY PROFILE



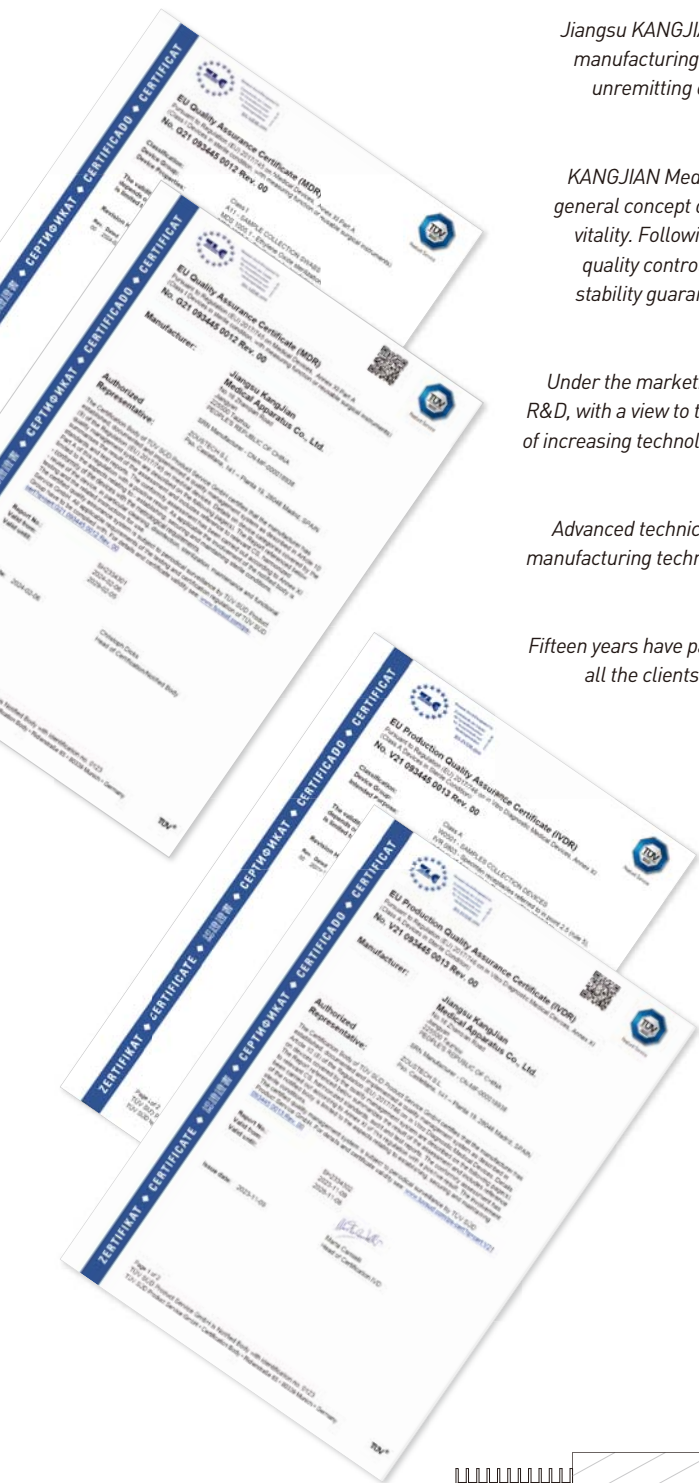
Jiangsu KANGJIAN Medical Apparatus Co., Ltd. was founded in 1998. It is an enterprise specialized in manufacturing disposable medical plastic ware and laboratory apparatus. With more than 25 years' unremitting effort, the Company has come a long way and accumulated rich practical experience.

KANGJIAN Medical adheres to the principle of "Concentrative, Dedicated, Professional" and with the general concept of "Technology Creation, Health Service", We always treats the product quality as his vitality. Following the International standards, KANGJIAN has established a whole set of strict inner quality control system and passed ISO9001, ISO13485, ISO14001 and CE approval. Good quality and stability guarantees the testing data accurate and effective. Meanwhile, competitive price has made KANGJIAN's products preferred in the medical market.

Under the marketing concept of humanistic service, KANGJIAN keeps on doing the primary technology R&D, with a view to the filed of life sciences, gene organization and cell engineering, etc. In the meantime of increasing technology content, KANGJIAN also applies for many invention and new-style utility patents, which is enhancing his core competence step by step.

Advanced technical equipment and systematic training for the staff continuously improve KANGJIAN's manufacturing technique and service quality for clients. Some other cooperation ways like OEM and ODM are also well developed ever since the company began to do exportation.

Fifteen years have passed, KANGJIAN will strive to sincerely cooperate and make progress together with all the clients just as in the past, to make due contributions to human medical and health services.



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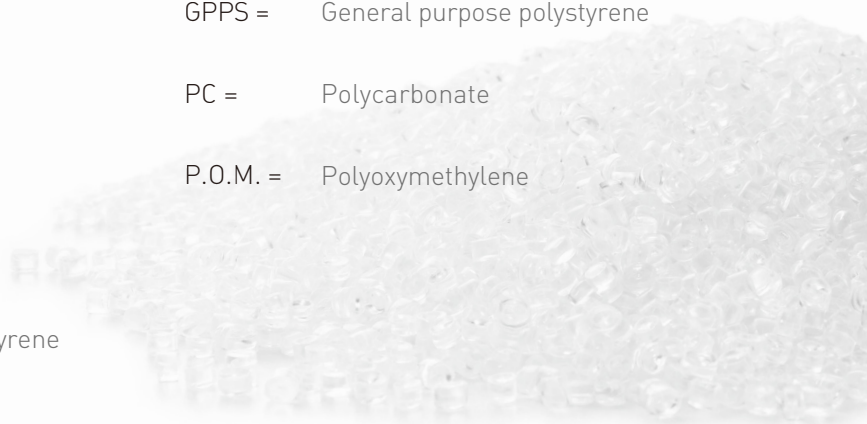


# ICONS

|                                                                                     |                   |                                                                                    |                            |
|-------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------|----------------------------|
|    | Code No.          |   | Qty in bag                 |
|    | Material          |   | Qty in box                 |
|    | Volume capacity   |   | Qty in case for glass tube |
|    | Additive          |   | Qty in case for PET tube   |
|    | Drop volume       |   | Qty in case                |
|    | Outer dimension   |  | Sterile by irradiation     |
|    | Colour            |  | Sterile by ethylene oxide  |
|   | Specification     |  | Detailed information       |
|  | Temperature range |                                                                                    |                            |

# MATERIALS

|        |                                 |          |                             |
|--------|---------------------------------|----------|-----------------------------|
| PE =   | Polyethylene                    | COC =    | Cycloolefin copolymers      |
| PET =  | Polyethylene terephthalate      | HIPS =   | High impact polystyrene     |
| HDPE = | High Density Polyethylene       | TPE =    | Thermoplastic Elastomer     |
| LDPE = | Low Density Polyethylene        | GPPS =   | General purpose polystyrene |
| PP =   | Polypropylene                   | PC =     | Polycarbonate               |
| PS =   | Polystyrene                     | P.O.M. = | Polyoxymethylene            |
| PVC =  | Polyvinyl chloride              |          |                             |
| ABS =  | Acrylonitrile Butadiene Styrene |          |                             |



# BLOOD COLLECTION SYSTEM

# 01



|                                                        |       |
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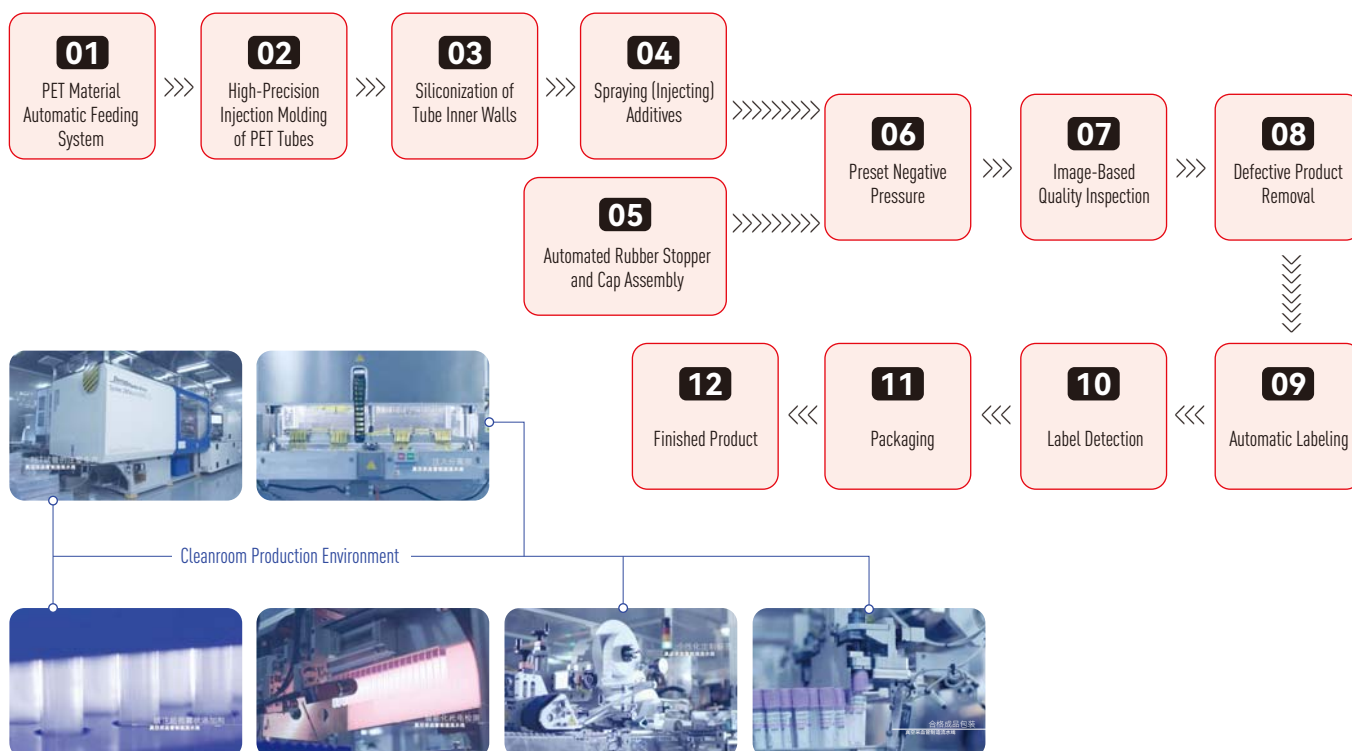
## Vacuum Blood Collection Tube

### Product Advantage

- KANGJIAN Medical supplies a high quality product to reduce the variation of blood samples before analysis and error for the clinic labs. We have passed ISO13485, ISO9001 and have already got the CE certificate for the blood collection tubes. We have strict procedural management for the process from purchasing of raw material to the sales of product.
- Full automatic production line, After-labeling process and Image detection to keep reliable quality.
- Good compatibility makes it fit different biochemical analyzer, immunity analyzer and blood analyzer.
- Full range of tubes available, Ø13×75mm, Ø13×100mm, Ø16×100mm, Ø9×120mm tubes available.
- In the clinic test of human venous blood samples, we divide the tubes to be serum blood tubes, Plasma blood tubes and whole blood tubes based on different test.
- We can customize specialized collection volume, labels and altitude based on detailed requirements
- We can supply specialized training and technique support for the distributors and final customers.



### Fully Automated Manufacturing Process





## Vacuum Blood Collection Tube

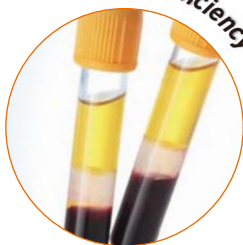
### Product Features and Advantages

#### Safety cap



- ★ Selection of high quality synthetic butyl rubber stopper, very suitable for automatic analyzer puncture sampling, its air tightness, puncture force is small, very few drops not plug the hole, and pin the needle.
- ★ Special rubber plug configuration to reduce the wear of the puncture needle. Puncture needle life is more than twice the use of ordinary rubber stopper.
- ★ Patented design, butyl rubber stopper and safety cap with close, does not occur flip, separation phenomenon, open, coats easy and pleasant.
- ★ Suitable for all kinds of off-hat centrifuge and decapper.
- ★ Head cap colors meet internationally accepted standards.

#### High efficiency



- ★ Selection of Japan's SEKISUI production of coagulants and serum separation Gel, so that the blood samples more original, test results more accurate.
- ★ Use high-quality inert separation gel, no interference of the blood of physical and chemistry performance.
- ★ Get clear, transparent and clean serum specimens after fast centrifugation.
- ★ High temperature (45°C) and easy to freeze storage, with a stable nature, after centrifugation rarely appear "oil droplets" phenomenon.
- ★ Could be irradiation sterilized.

#### High quality tube



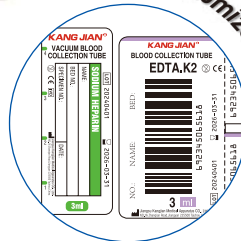
- ★ The use of high-quality PET material, stable nature, and have good air tightness.
- ★ PET tube inner wall using the United States imported reagent silicification treatment, the surface is extremely smooth, to avoid cell wall.
- ★ The inner wall uses a biomimetic membrane treatment technology to provide a comprehensive and detailed protection program for blood cells.

#### High quality additives



- ★ Use high-quality international renowned brand additive, import Swiss precision spray equipment, the medical industry leader.
- ★ The variety of additives is complete, the variety of forms, the main use of spray drying technology, so that the anticoagulant effect of uniform, mild, thorough.
- ★ Set the vacuum accurately to ensure that the proportion of blood samples and additives accurate.

#### Customize label



- ★ Depending on the customer's requirements, different materials and labels with specific identification can be customized. Prefabricated bar code easy to identify, more wearable.
- ★ Tailable label tubing and bar code label tubes are prefixed with custom labels.





## Vacuum Blood Collection Tube

### Classification and Applications

#### Serum Biochemistry

| Vacuum Blood Collection Tube                                                                                | Additive                        | Recommended Testing Items                                                                        |
|-------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------|
|  No Additive Tube          | No Additive                     | Serum Biochemistry, Serum Immunology, Blood Transfusion Tests, HIV Testing                       |
|  Clot Activator Tube       | Clot Activator                  | Serum Biochemistry, Serum Immunology, Electrolytes, Drug Testing, Hormones, HIV Testing, etc.    |
|  Gel & Clot Activator Tube | Separation Gel + Clot Activator | Serum Biochemistry, Immunological Tests, Electrolytes, Drug Testing, Hormones, HIV Testing, etc. |

#### Plasma Biochemistry

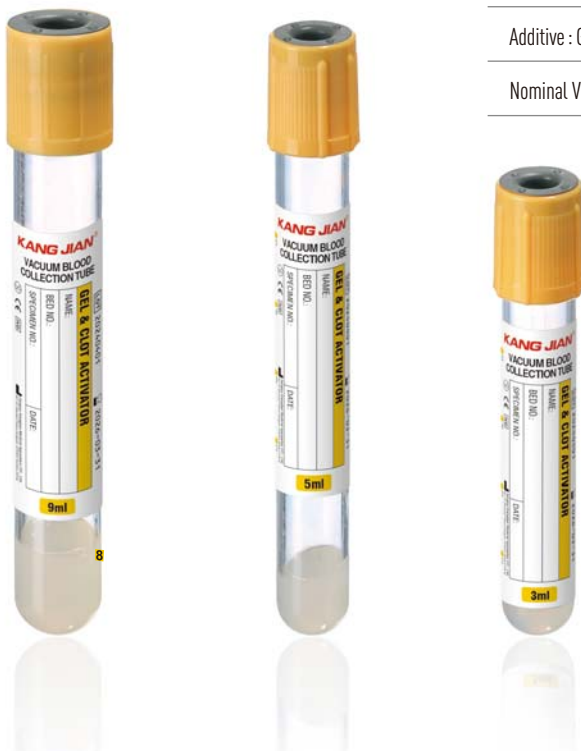
| Vacuum Blood Collection Tube                                                                     | Additive                                                                             | Recommended Testing Items                                                                                                   |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  PT Tube        | 3.2% Sodium Citrate(1:9)                                                             | Coagulation Mechanism (PT/APTT/Blood Clotting Factors) Testing, Fibrinolysis System Testing                                 |
|  Glucose Tube  | Sodium Fluoride + Sodium Heparin/<br>EDTA Salt/Potassium oxalate                     | Mainly used for glucose, glucose tolerance, red blood cell electrophoresis, anti-alkaline hemoglobin, and hemolysis testing |
|  Heparin Tube | Sodium Heparin<br>Lithium Heparin<br>Heparin Salt + Separation Gel                   | General Clinical Biochemistry, Emergency Biochemistry Testing(Li only), and some Hemorheology and Enzyme Immunoassays.      |
|  CPT Tube     | Sodium Citrate + Glucose + Separation Gel<br>Heparin Salt + Glucose + Separation Gel | Immune cell isolation (e.g., lymphocyte functional analysis), stem cell research                                            |
|  PPT Tube     | Gel+EDTA Salt                                                                        | Non-electrolyte Plasma Biochemical Testing, Nucleic Acid Testing.                                                           |
|  cfDNA Tube   | Dedicated protective agent+EDTA                                                      | Tumor Diagnosis and Monitoring, NIPT, Infectious Pathogen Detection                                                         |

#### Whole Blood Collection Tubes

| Vacuum Blood Collection Tube                                                                  | Additive                 | Recommended Testing Items                                                                                          |
|-----------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------|
|  EDTA Tube | EDTA Salt                | Hematology or Immunohematology Testing, such as Complete Blood Count (CBC), Blood Typing, Crossmatch Testing, etc. |
|  ESR Tube  | 3.8% Sodium Citrate(1:4) | Mainly for the measurement of erythrocyte sedimentation rate (ESR)                                                 |



## Vacuum Blood Collection Tube



|                                      |                                                                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gel &amp; Clot Activator Tube</b> | Cap Colors: Yellow  /  |
| Additive : Gel & Clot Activator      | Tube Material : Glass / PET                                                                                                                                                                  |
| Nominal Volume : 2ml~8ml             | Tube Specification : Ø13×75 / Ø13×100 / Ø16×100                                                                                                                                              |



Separation of high-quality serum to ensure accurate testing

Gel and clot activator tube is used for blood serum biochemistry, immunology and drug testing, etc. There uniformly sprays the coagulant on the surface inside the tube, which will greatly shorten the clotting time. As the imported separation gel from Japan is pure substance, very stable in physicochemical property, it can well stand high-temperature so that the gel will maintain a stable status during the storage and transportation process. The gel will get solidified after centrifugation and completely separate serum from fibrin cells just like a barrier, which effectively prevents the substance exchange between blood serum and cells. Serum collection efficiency is improved and high-quality serum will be obtained, thus it comes to more authentic testing result. Keep the serum stable for more than 48 hours, no obvious change will happen on its biochemical features and chemical compositions, then the tube could be directly used in sampling analyzers.

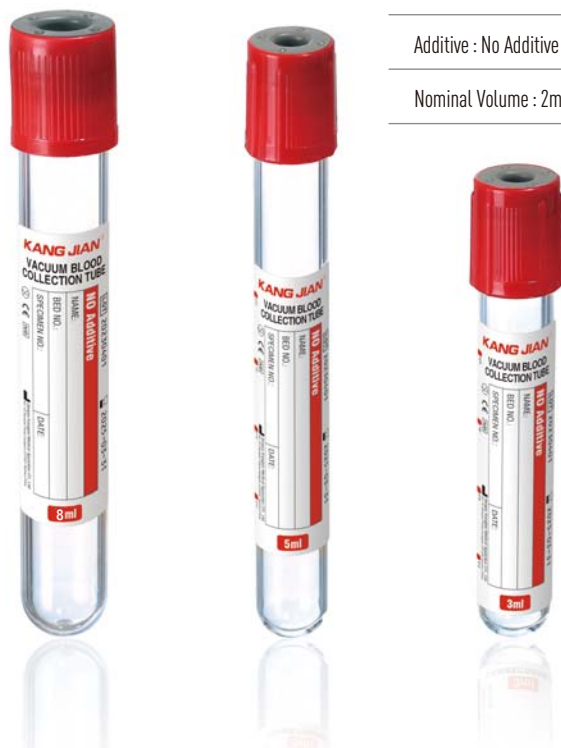
- ◆ Suggested time for complete clot retraction: 20 - 25min
- ◆ Suggested centrifugation speed: 3500 - 4000r/min
- ◆ Suggested centrifugation time: 5min
- ◆ Suggested storage temperature: 0-40℃

| REF                                                                                                              | Tube Specification                                                                                                              | Nominal Volume | Additive | MAT Tube Material    | Qty/Cs                           | Original REF.          |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------|----------|----------------------|----------------------------------|------------------------|
| <br>Gel & Clot Activator Tube | KJ020AS                                                                                                                         | Ø13×75mm       | 2mL      | Gel & Clot Activator | Glass 100PCS×18<br>PET 100PCS×18 | 0101-0211<br>0101-0212 |
|                                                                                                                  | KJ030AS                                                                                                                         | Ø13×75mm       | 3mL      | Gel & Clot Activator | Glass 100PCS×18<br>PET 100PCS×18 | 0101-0311<br>0101-0312 |
|                                                                                                                  | KJ040AS                                                                                                                         | Ø13×75mm       | 4mL      | Gel & Clot Activator | Glass 100PCS×18<br>PET 100PCS×18 | 0101-0411<br>0101-0412 |
|                                                                                                                  | KJ0301AS                                                                                                                        | Ø13×100mm      | 3mL      | Gel & Clot Activator | Glass 100PCS×12<br>PET 100PCS×18 | 0101-0321<br>0101-0322 |
|                                                                                                                  | KJ0401AS                                                                                                                        | Ø13×100mm      | 4mL      | Gel & Clot Activator | Glass 100PCS×12<br>PET 100PCS×18 | 0101-0421<br>0101-0422 |
|                                                                                                                  | KJ0501AS                                                                                                                        | Ø13×100mm      | 5mL      | Gel & Clot Activator | Glass 100PCS×12<br>PET 100PCS×18 | 0101-0521<br>0101-0522 |
|                                                                                                                  | KJ0601AS                                                                                                                        | Ø13×100mm      | 6mL      | Gel & Clot Activator | Glass 100PCS×12<br>PET 100PCS×18 | 0101-0621<br>0101-0622 |
|                                                                                                                  | KJ0701AS                                                                                                                        | Ø16×100mm      | 7mL      | Gel & Clot Activator | Glass 100PCS×12<br>PET 100PCS×12 | 0101-0731<br>0101-0732 |
|                                                                                                                  | KJ0801AS                                                                                                                        | Ø16×100mm      | 8mL      | Gel & Clot Activator | Glass 100PCS×12<br>PET 100PCS×12 | 0101-0831<br>0101-0832 |
|                                                                                                                  | Safety Cap: Yellow<br>After blood collection, gently invert and mix 6-8 times, then stand for 30 minutes before centrifugation. |                |          |                      |                                  |                        |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube



|                           |                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------|
| No Additive Tube          | Cap Colors: Red  |
| Additive : No Additive    | Tube Material : Glass / PET                                                                         |
| Nominal Volume : 2mL-10mL | Tube Specification : Ø13×75 / Ø13×100 / Ø16×100                                                     |

No additive tube is used in blood collection and storage for biochemistry, immunology, serology, test of various kinds of virus and capillary element in medical inspection. With special treatment on the inner surface, it's extremely smooth for normal activity of thrombocyte and unhindered clotting, which prevents hemolysis or adhesion of blood corpuscle or fibrin to the inner surface. It can provide enough pollution-free serum samples for clinical test, and maintain the normal compositions of serum for a long time. Moreover, it's helpful to serum reinspection with good repeatability.

- ◆ Suggested time for complete clot retraction: 1.5-2h
- ◆ Suggested centrifugation speed: 3500-4000r/m
- ◆ Suggested centrifugation time: 5min
- ◆ Suggested storage temperature: 0-40℃

| REF                                                                                                     | Tube Specification | Nominal Volume | Additive | MAT Tube Material | Qty/Cs                           |                                                                                        | Original REF. |
|---------------------------------------------------------------------------------------------------------|--------------------|----------------|----------|-------------------|----------------------------------|----------------------------------------------------------------------------------------|---------------|
| <br>No Additive Tube | KJ030A             | Ø13×75mm       | 3mL      | No Additive       | Glass 100PCS×18<br>PET 100PCS×18 | Safety Cap: Red<br>After blood collection, stand for 60 minutes before centrifugation. | 0104-0311     |
|                                                                                                         | KJ040A             | Ø13×75mm       | 4mL      | No Additive       | Glass 100PCS×18<br>PET 100PCS×18 |                                                                                        | 0104-0312     |
|                                                                                                         | KJ0501A            | Ø13×100mm      | 5mL      | No Additive       | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                        | 0104-0411     |
|                                                                                                         | KJ0601A            | Ø13×100mm      | 6mL      | No Additive       | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                        | 0104-0412     |
|                                                                                                         | KJ0701A            | Ø16×100mm      | 7mL      | No Additive       | Glass 100PCS×12<br>PET 100PCS×12 |                                                                                        | 0104-0521     |
|                                                                                                         | KJ0801A            | Ø16×100mm      | 8mL      | No Additive       | Glass 100PCS×12<br>PET 100PCS×12 |                                                                                        | 0104-0522     |
|                                                                                                         | KJ0901A            | Ø16×100mm      | 9mL      | No Additive       | Glass 100PCS×12<br>PET 100PCS×12 |                                                                                        | 0104-0621     |
|                                                                                                         | KJ1002A            | Ø16×100mm      | 10mL     | No Additive       | Glass 100PCS×12<br>PET 100PCS×12 |                                                                                        | 0104-0622     |
|                                                                                                         |                    |                |          |                   |                                  |                                                                                        | 0104-0731     |
|                                                                                                         |                    |                |          |                   |                                  |                                                                                        | 0104-0732     |
|                                                                                                         |                    |                |          |                   |                                  |                                                                                        | 0104-0831     |
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|                                                                                                         |                    |                |          |                   |                                  |                                                                                        | 0104-0931     |
|                                                                                                         |                    |                |          |                   |                                  |                                                                                        | 0104-0932     |
|                                                                                                         |                    |                |          |                   |                                  |                                                                                        | 0104-1031     |
|                                                                                                         |                    |                |          |                   |                                  |                                                                                        | 0101-1032     |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube



|                            |                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clot Activator Tube</b> | Cap Colors: Orange or Red   |
| Additive : Clot Activator  | Tube Material : Glass / PET                                                                                                                                                                       |
| Nominal Volume : 2mL~9mL   | Tube Specification : Ø13×75 / Ø13×100 / Ø16×100                                                                                                                                                   |

Clot activator tube is used in the blood collection for biochemistry and immunology in medical inspection. It is suitable for wide range of operating temperature. With special treatment, the tube inner surface is very smooth where high-quality coagulant sprays uniformly. The blood sample will completely contact with coagulant and clot within 5-8min. High-quality serum thus is obtained by later centrifugation, free from the cracking of blood corpuscle, hemolysis, separation of fibrin protein, etc. Hence the serum can meet the requirements of fast clinic and emergency serum test.

- ◆ Suggested time for complete clot retraction: 20 - 25min
- ◆ Suggested centrifugation speed: 3500 - 4000r/min
- ◆ Suggested centrifugation time: 5min
- ◆ Suggested storage temperature: 0-40°C

| REF                                                                                                        | Tube Specification | Nominal Volume | Additive | MAT Tube Material | Qty/Cs                           |                                                                | Original REF. |
|------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------|-------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <br>Clot Activator Tube | KJ020Z             | Ø13×75mm       | 2mL      | Clot Activator    | Glass 100PCS×18<br>PET 100PCS×18 | Safety Cap: Orange or Red<br>After blood collection, gently invert and mix 6-8 times, then stand for no less than 25 minutes before centrifugation. | 0105-0211     |
|                                                                                                            | KJ030Z             | Ø13×75mm       | 3mL      | Clot Activator    | Glass 100PCS×18<br>PET 100PCS×18 |                                                                                                                                                     | 0105-0212     |
|                                                                                                            | KJ040Z             | Ø13×75mm       | 4mL      | Clot Activator    | Glass 100PCS×18<br>PET 100PCS×18 |                                                                                                                                                     | 0105-0311     |
|                                                                                                            | KJ0501Z            | Ø13×100mm      | 5mL      | Clot Activator    | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                                                                                     | 0105-0312     |
|                                                                                                            | KJ0601Z            | Ø13×100mm      | 6mL      | Clot Activator    | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                                                                                     | 0105-0411     |
|                                                                                                            | KJ0701Z            | Ø16×100mm      | 7mL      | Clot Activator    | Glass 100PCS×12<br>PET 100PCS×12 |                                                                                                                                                     | 0105-0412     |
|                                                                                                            | KJ0801Z            | Ø16×100mm      | 8mL      | Clot Activator    | Glass 100PCS×12<br>PET 100PCS×12 |                                                                                                                                                     | 0105-0521     |
|                                                                                                            | KJ0901Z            | Ø16×100mm      | 9mL      | Clot Activator    | Glass 100PCS×12<br>PET 100PCS×12 |                                                                                                                                                     | 0105-0522     |
|                                                                                                            |                    |                |          |                   |                                  |                                                                                                                                                     | 0105-0621     |
|                                                                                                            |                    |                |          |                   |                                  |                                                                                                                                                     | 0105-0622     |
|                                                                                                            |                    |                |          |                   |                                  |                                                                                                                                                     | 0105-0731     |
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|                                                                                                            |                    |                |          |                   |                                  |                                                                                                                                                     | 0105-0931     |
|                                                                                                            |                    |                |          |                   |                                  |                                                                                                                                                     | 0105-0932     |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube

|                                |                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------|
| <b>PT Tube</b>                 | Cap Colors: Blue  |
| Additive : 3.2% Sodium Citrate | Tube Material : Glass / PET                                                                        |
| Nominal Volume : 2ml~4ml       | Tube Specification : Ø13×75 / Ø13×75mm (Double-deck)                                               |



Double-deck



PT tube is used for blood coagulation test and applicable to fibrinolytic system(PT,TT, APTT and fibrinogen, etc. ). The mixing ratio is 1 part citrate to 9 parts blood. Accurate ratio can guarantee effectiveness of the testing result and avoid misdiagnosis. As the sodium citrate has very little toxicity, it is also used for blood storage. Do draw sufficient blood volume to ensure accurate testing result. PT tube with double-deck is with little dead space, Which can be used to monitor the test of vWF, F VIII, platelet functions, Heparin therapy.

|                                                                                                | REF      | Tube Specification     | Nominal Volume | Additive            | MAT Tube Material | Qty/Cs    |                                                                                                                                                                                          | Original REF. |
|------------------------------------------------------------------------------------------------|----------|------------------------|----------------|---------------------|-------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <br>PT Tube | KJ018NC  | Ø13×75mm               | 2mL            | 3.2% Sodium Citrate | Glass             | 100PCS×18 | <br>Double-walled Tube<br>After blood collection, gently invert and mix 6-8 times, then centrifuge. | 0109-0211     |
|                                                                                                |          |                        |                |                     | PET               | 100PCS×18 |                                                                                                                                                                                          | 0109-0212     |
|                                                                                                | KJ027NC  | Ø13×75mm               | 3mL            | 3.2% Sodium Citrate | Glass             | 100PCS×18 |                                                                                                                                                                                          | 0109-0311     |
|                                                                                                |          |                        |                |                     | PET               | 100PCS×18 |                                                                                                                                                                                          | 0109-0312     |
|                                                                                                | KJ036NC  | Ø13×75mm               | 4mL            | 3.2% Sodium Citrate | Glass             | 100PCS×18 |                                                                                                                                                                                          | 0109-0411     |
|                                                                                                |          |                        |                |                     | PET               | 100PCS×18 |                                                                                                                                                                                          | 0109-0412     |
|                                                                                                | KJ018NCD | Ø13×75mm (Double-deck) | 2mL            | 3.2% Sodium Citrate | PET               | 100PCS×18 |                                                                                                                                                                                          | 0109-0212D    |
|                                                                                                | KJ027NCD | Ø13×75mm (Double-deck) | 3mL            | 3.2% Sodium Citrate | PET               | 100PCS×18 |                                                                                                                                                                                          | 0109-0312D    |





## Vacuum Blood Collection Tube



|                                           |                                                                                                                                                                                                          |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Heparin Tube</b>                       | Cap Colors: Green/Military Green   |
| Additive : Sodium Heparin/Lithium Heparin | Tube Material : Glass / PET                                                                                                                                                                              |
| Nominal Volume : 3mL~9mL                  | Tube Specification : Ø13×75 / Ø13×100 / Ø16×100                                                                                                                                                          |

Heparin tube is used in blood collection for the test of clinical plasma, emergency biochemistry and blood rheology, etc. With little interference on blood compositions and no influence upon the erythrocyte size, it won't cause hemolysis. Besides, it has the features of quick plasma separation and wide range of operating temperature as well as high compatibility with serum index. The anticoagulant heparin activates fibrinolysin, while restraining the thromboplastin, and then achieves the dynamic balance between fibrinogen and fibrin, free of fibrin thread in the inspection process. Most of the plasma indexes can be repeated within 6 hours. Lithium heparin not only has the features of sodium heparin, but also can be used in the capillary elements test with no effect on sodium ion. To meet various need of clinical laboratory, KANGJIAN can add plasma separation gel for making high-quality plasma.

- ◆ Suggested centrifugation speed: 3500 - 4000r/min
- ◆ Suggested centrifugation time: 3min
- ◆ Suggested storage temperature: 0-40°C

| REF                                                                                                 | Tube Specification | Nominal Volume | Additive        | MAT Tube Material | Qty/Cs    |                                                                                                         | Original REF. |
|-----------------------------------------------------------------------------------------------------|--------------------|----------------|-----------------|-------------------|-----------|---------------------------------------------------------------------------------------------------------|---------------|
| <br>Heparin Tube | Ø13×75mm           | 3mL            | Sodium Heparin  | Glass             | 100PCS×18 | Safety Cap: Green<br>After blood collection, gently invert and mix 6-8 times, then centrifuge.          | 0106-0311     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0106-0312     |
|                                                                                                     | Ø13×75mm           | 4mL            | Sodium Heparin  | Glass             | 100PCS×18 |                                                                                                         | 0106-0411     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0106-0412     |
|                                                                                                     | Ø13×100mm          | 5mL            | Sodium Heparin  | Glass             | 100PCS×12 |                                                                                                         | 0106-0521     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0106-0522     |
|                                                                                                     | Ø13×100mm          | 7mL            | Sodium Heparin  | Glass             | 100PCS×12 | Safety Cap: Military Green<br>After blood collection, gently invert and mix 6-8 times, then centrifuge. | 0106-0721     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0106-0722     |
|                                                                                                     | Ø16×100mm          | 9mL            | Sodium Heparin  | Glass             | 100PCS×12 |                                                                                                         | 0106-0931     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×12 |                                                                                                         | 0106-0932     |
|                                                                                                     | Ø13×75mm           | 3mL            | Lithium Heparin | Glass             | 100PCS×18 |                                                                                                         | 0107-0311     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0107-0312     |
|                                                                                                     | Ø13×75mm           | 4mL            | Lithium Heparin | Glass             | 100PCS×18 |                                                                                                         | 0107-0411     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0107-0412     |
|                                                                                                     | Ø13×100mm          | 5mL            | Lithium Heparin | Glass             | 100PCS×12 |                                                                                                         | 0107-0521     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0107-0522     |
|                                                                                                     | Ø13×100mm          | 7mL            | Lithium Heparin | Glass             | 100PCS×12 |                                                                                                         | 0107-0721     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×18 |                                                                                                         | 0107-0722     |
|                                                                                                     | Ø16×100mm          | 9mL            | Lithium Heparin | Glass             | 100PCS×12 |                                                                                                         | 0107-0931     |
|                                                                                                     |                    |                |                 | PET               | 100PCS×12 |                                                                                                         | 0107-0932     |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube



|                                          |                                                                                                      |
|------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Glucose Tube</b>                      | Cap Colors: Gray  |
| Additive: Sodium Fluoride+Sodium Heparin | Tube Material: Glass / PET                                                                           |
| Nominal Volume: 2mL~6mL                  | Tube Specification: Ø13×75 / Ø13×100                                                                 |

Glucose tube is used in blood collection for the test such as blood sugar, sugar tolerance, erythrocyte electrophoresis, anti-alkali hemoglobin and lactate. The added Sodium Fluoride effectively prevents metabolism of blood sugar and Sodium Heparin successfully solves the hemolysis. Thus, the original status of blood will last for long time and guarantee stable testing data of blood sugar within 72 hours. Optional additive is Sodium Fluoride+Sodium Heparin, Sodium Fluoride+ EDTA.K<sub>2</sub>, Sodium Fluoride+EDTA.Na<sub>2</sub>.

- ◆ Suggested centrifugation speed: 3500 - 4000r/min
- ◆ Suggested centrifugation time: 5min
- ◆ Suggested storage temperature: 0-40°C

| REF                                                                                                 | Tube Specification | Nominal Volume | Additive | MAT Tube Material       | Qty/Cs                           |                                                                                               | Original REF. |
|-----------------------------------------------------------------------------------------------------|--------------------|----------------|----------|-------------------------|----------------------------------|-----------------------------------------------------------------------------------------------|---------------|
| <br>Glucose Tube | KJ020FX            | Ø13×75mm       | 2mL      | Sodium Fluoride+Heparin | Glass 100PCS×18<br>PET 100PCS×18 | Safety Cap: Gray<br>After blood collection, gently invert and mix 6-8 times, then centrifuge. | 0108-0211     |
|                                                                                                     | KJ030FX            | Ø13×75mm       | 3mL      | Sodium Fluoride+Heparin | Glass 100PCS×18<br>PET 100PCS×18 |                                                                                               | 0108-0212     |
|                                                                                                     | KJ040FX            | Ø13×75mm       | 4mL      | Sodium Fluoride+Heparin | Glass 100PCS×18<br>PET 100PCS×18 |                                                                                               | 0108-0311     |
|                                                                                                     | KJ0301FX           | Ø13×100mm      | 3mL      | Sodium Fluoride+Heparin | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                               | 0108-0312     |
|                                                                                                     | KJ0401FX           | Ø13×100mm      | 4mL      | Sodium Fluoride+Heparin | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                               | 0108-0411     |
|                                                                                                     | KJ0501FX           | Ø13×100mm      | 5mL      | Sodium Fluoride+Heparin | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                               | 0108-0412     |
|                                                                                                     | KJ0601FX           | Ø13×100mm      | 6mL      | Sodium Fluoride+Heparin | Glass 100PCS×12<br>PET 100PCS×18 |                                                                                               | 0108-0321     |
|                                                                                                     |                    |                |          |                         |                                  |                                                                                               | 0108-0322     |
|                                                                                                     |                    |                |          |                         |                                  |                                                                                               | 0108-0421     |
|                                                                                                     |                    |                |          |                         |                                  |                                                                                               | 0108-0422     |
|                                                                                                     |                    |                |          |                         |                                  |                                                                                               | 0108-0521     |
|                                                                                                     |                    |                |          |                         |                                  |                                                                                               | 0108-0522     |
|                                                                                                     |                    |                |          |                         |                                  |                                                                                               | 0108-0621     |
|                                                                                                     |                    |                |          |                         |                                  |                                                                                               | 0108-0622     |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube



|                                    |                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------|
| EDTA Tube                          | Cap Colors: Purple  |
| Additive: EDTA.K2/EDTA.K3/EDTA.Na2 | Tube Material: Glass / PET                                                                             |
| Nominal Volume: 2ml~9ml            | Tube Specification: Ø13×75 / Ø13×100 / Ø16×100                                                         |

EDTA tube is widely used in clinical haematology, cross matching, blood grouping as well as various kinds of blood cell test instruments. It offers a comprehensive protection for blood cell, especially for protecting the blood platelet, so that it can effectively stop the gathering of blood platelet and makes the form and volume of blood cell uninfluenced within a long time. Excellent outfits with super-minute technique can spray additive uniformly on the inner surface of the tube, thus blood specimen can completely mix with the additive. EDTA anticoagulant plasma is used for biological assay of pathogenic capillary organism, parasite and bacterial molecule, etc.



Atomization additive on inner wall of tube



EDTA Tube

| REF       | Tube Specification | Nominal Volume | Additive | MAT Tube Material | Qty/Cs    | Original REF. |
|-----------|--------------------|----------------|----------|-------------------|-----------|---------------|
| KJ020K2E  | Ø13×75mm           | 2mL            | EDTA.K2  | Glass             | 100PCS×18 | 0102-0211     |
|           |                    |                |          | PET               | 100PCS×18 | 0102-0212     |
| KJ030K2E  | Ø13×75mm           | 3mL            | EDTA.K2  | Glass             | 100PCS×18 | 0102-0311     |
|           |                    |                |          | PET               | 100PCS×18 | 0102-0312     |
| KJ040K2E  | Ø13×75mm           | 4mL            | EDTA.K2  | Glass             | 100PCS×18 | 0102-0411     |
|           |                    |                |          | PET               | 100PCS×18 | 0102-0412     |
| KJ0501K2E | Ø13×100mm          | 5mL            | EDTA.K2  | Glass             | 100PCS×12 | 0102-0521     |
|           |                    |                |          | PET               | 100PCS×18 | 0102-0522     |
| KJ0601K2E | Ø13×100mm          | 6mL            | EDTA.K2  | Glass             | 100PCS×12 | 0102-0621     |
|           |                    |                |          | PET               | 100PCS×18 | 0102-0622     |
| KJ0701K2E | Ø16×100mm          | 7mL            | EDTA.K2  | Glass             | 100PCS×12 | 0102-0731     |
|           |                    |                |          | PET               | 100PCS×12 | 0102-0732     |
| KJ0901K2E | Ø16×100mm          | 9mL            | EDTA.K2  | Glass             | 100PCS×12 | 0102-0931     |
|           |                    |                |          | PET               | 100PCS×12 | 0102-0932     |
| KJ020K3E  | Ø13×75mm           | 2mL            | EDTA.K3  | Glass             | 100PCS×18 | 0103-0211     |
|           |                    |                |          | PET               | 100PCS×18 | 0103-0212     |
| KJ030K3E  | Ø13×75mm           | 3mL            | EDTA.K3  | Glass             | 100PCS×18 | 0103-0311     |
|           |                    |                |          | PET               | 100PCS×18 | 0103-0312     |
| KJ040K3E  | Ø13×75mm           | 4mL            | EDTA.K3  | Glass             | 100PCS×18 | 0103-0411     |
|           |                    |                |          | PET               | 100PCS×18 | 0103-0412     |
| KJ0501K3E | Ø13×100mm          | 5mL            | EDTA.K3  | Glass             | 100PCS×12 | 0103-0521     |
|           |                    |                |          | PET               | 100PCS×18 | 0103-0522     |
| KJ0601K3E | Ø13×100mm          | 6mL            | EDTA.K3  | Glass             | 100PCS×12 | 0103-0621     |
|           |                    |                |          | PET               | 100PCS×18 | 0103-0622     |
| KJ0701K3E | Ø16×100mm          | 7mL            | EDTA.K3  | Glass             | 100PCS×12 | 0103-0731     |
|           |                    |                |          | PET               | 100PCS×12 | 0103-0732     |
| KJ0901K3E | Ø16×100mm          | 9mL            | EDTA.K3  | Glass             | 100PCS×12 | 0103-0931     |
|           |                    |                |          | PET               | 100PCS×12 | 0103-0932     |
| KJ020N2E  | Ø13×75mm           | 2mL            | EDTA.Na2 | Glass             | 100PCS×18 | 0117-0211     |
|           |                    |                |          | PET               | 100PCS×18 | 0117-0212     |
| KJ0501N2E | Ø13×100mm          | 5mL            | EDTA.Na2 | Glass             | 100PCS×12 | 0117-0521     |
|           |                    |                |          | PET               | 100PCS×18 | 0117-0522     |

Safety Cap: Purple  
After blood collection, gently invert and mix 6-8 times. Invert and mix gently again before testing.

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube



|                         |                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PPT Tube</b>         | Cap Colors: Purple or Pink   |
| Additive: Gel+EDTA.K2   | Tube Material: PET                                                                                                                                                                                 |
| Nominal Volume: 3mL~8mL | Tube Specification: Ø13×75 / Ø13×100 / Ø16×100                                                                                                                                                     |

NAT tube is widely used in collection, transportation and storage of venous blood samples and sample treatment before analysis. Mainly used for inspection of nucleic acid amplification (Incl DNA of HBV, RNA of HCV, HIV) in clinics. The additive of this tube is: EDTA.K2+Gel separator, sterilized by irradiation radiation to ensure no DNase, RNase or Pyrogen. EDTA.K2 won't affect the activity of Taq enzyme in nucleic acid test, gel separator can eliminate the interference by hemoglobin of erythrocyte in the test of nucleic acid inspection. Samples after separation can be stored at -70°C.

|                                                                                                 | REF      | Tube Specification | Nominal Volume | Additive    | Tube Material | Qty/Cs    |                                                                                                                                                                                                  | Original REF. |
|-------------------------------------------------------------------------------------------------|----------|--------------------|----------------|-------------|---------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <br>PPT Tube | KJ030GK  | Ø13×75mm           | 3mL            | Gel+EDTA.K2 | PET           | 100PCS×18 | <br>Safety Cap: Purple or Pink<br>After blood collection, gently invert and mix 6-8 times, then centrifuge. | 0111-0312     |
|                                                                                                 | KJ0501GK | Ø13×100mm          | 5mL            | Gel+EDTA.K2 | PET           | 100PCS×18 |                                                                                                                                                                                                  | 0111-0522     |
|                                                                                                 | KJ0601GK | Ø16×100mm          | 6mL            | Gel+EDTA.K2 | PET           | 100PCS×12 |                                                                                                                                                                                                  | 0111-0632     |
|                                                                                                 | KJ0801GK | Ø16×100mm          | 8mL            | Gel+EDTA.K2 | PET           | 100PCS×12 |                                                                                                                                                                                                  | 0111-0832     |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube



|                                           |                                                                                                                                                                                                      |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cell-free DNA Preservation Tube</b>    | Cap Colors: Purple or Yellow   |
| Additive: Dedicated protective agent+EDTA | Tube Material: Glass                                                                                                                                                                                 |
| Nominal Volume: 5ml / 10ml                | Tube Specification: Ø13×100 / Ø16×100                                                                                                                                                                |

The cell-free DNA preservation tube is a blood collection device designed for the direct collection, transportation, and preservation of cell-free DNA (cfDNA) in blood samples. Its unique, innovative preservative is safe, non-toxic, and effectively inhibits extracellular nucleases from degrading cfDNA. Additionally, it maintains the integrity of nucleated cells in the blood, preventing the release of genomic DNA from cells, which could otherwise affect the accuracy of test results. This ensures the stability and integrity of cfDNA, providing an optimal solution for plasma cfDNA research and applications.

The tube is widely used in non-invasive prenatal testing (NIPT) for fetal chromosomal abnormalities (such as Down syndrome screening), tumor detection and research, monitoring of cancer progression and treatment efficacy, molecular diagnostics of acute diseases, as well as clinical drug development and testing. The preserved cfDNA samples remain stable at 4–37°C for up to 7 days, facilitating batch testing and long-distance transportation, greatly enhancing convenience in laboratory workflows.

|                                                                                                                        | REF       | Tube Specification | Nominal Volume | Additive                                | Tube Material | Qty/Cs   |                                                                                                                                                                            | Original REF. |
|------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|----------------|-----------------------------------------|---------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <br>Cell-free DNA Preservation Tube | KJ0501DNA | Ø13×100mm          | 5mL            | Dedicated protective agent<br>+<br>EDTA | Glass         | 50PCS×16 | <br>Safety Cap: Purple or Yellow<br>After blood collection, gently invert<br>and mix. | 0112-0521     |
|                                                                                                                        | KJ1002DNA | Ø16×100mm          | 10mL           |                                         | Glass         | 50PCS×12 |                                                                                                                                                                            | 0112-1031     |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube

|                                        |                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Cell-free RNA Preservation Tube</b> | Cap Colors: Military Green  |
| Additive: Free-RNA protective agent    | Tube Material: Glass                                                                                         |
| Nominal Volume: 4.5ml / 9.5ml          | Tube Specification: Ø13×100 / Ø16×100                                                                        |



Cell-free RNA Preservation Tube can be directly used to stably store cfRNA in blood. The tube contains cell protectants and RNA protectants, which can protect blood cells from rupture and prevent intracellular RNA release from contaminating extracellular cfRNA samples. Meanwhile, RNA protectants can prevent the degradation of extracellular cfRNA, making it easy to collect, transport and store plasma free nucleic acid samples at room temperature. At room temperature (10-30 °C), cfRNA can be stably stored for at least 3 days, providing great convenience for the transportation and storage of blood samples. Blood samples stored in cfRNA storage tubes can be extracted for cfRNA using most commercial reagent kits. The extracted cfRNA can be used for quantitative RT-PCR, micromatrix analysis, RNA localization, establishment of CDNA libraries, gene expression, and other downstream basic research. Free of DNAase, RNAase and pyrogen.

|                                                                                                                        | REF         | Tube Specification | Nominal Volume | Additive                  | MAT Tube Material | Qty/Cs   |                                                                              | Original REF. |
|------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|----------------|---------------------------|-------------------|----------|------------------------------------------------------------------------------|---------------|
| <br>Cell-free RNA Preservation Tube | KJ0451CFRNA | Ø13×100mm          | 4.5mL          | Free-RNA protective agent | Glass             | 50PCS×16 | Safety Cap: Military Green<br>After blood collection, gently invert and mix. | 0121-4521     |
|                                                                                                                        | KJ0952CFRNA | Ø16×100mm          | 9.5mL          |                           | Glass             | 50PCS×12 |                                                                              | 0121-9531     |

\*Other specifications and models not listed are customizable.





## Vacuum Blood Collection Tube

|                                                 |                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| RNA Preservation Tube                           | Cap Colors: Green  |
| Additive: RNA protective agent+Cell lysis agent | Tube Material: Glass                                                                                |
| Nominal Volume: 4ml / 9.5ml                     | Tube Specification: Ø13×100 / Ø16×100                                                               |

Whole blood RNA storage tube contains cell lysis agents and RNA protectants, which can lyse blood cells, release intracellular RNA, and protect RNA under the action of protectants for subsequent detection. Free of DNAase, RNAase and pyrogen.



|                                                                                                              | REF       | Tube Specification | Nominal Volume | Additive                                      | Tube Material | Qty/Cs   |                                                                     | Original REF. |
|--------------------------------------------------------------------------------------------------------------|-----------|--------------------|----------------|-----------------------------------------------|---------------|----------|---------------------------------------------------------------------|---------------|
| <br>RNA Preservation Tube | KJ0401RNA | Ø13×100mm          | 4mL            | RNA protective agent<br>+<br>Cell lysis agent | Glass         | 50PCS×16 | Safety Cap: Green<br>After blood collection, gently invert and mix. | 0122-0421     |
|                                                                                                              | KJ0952RNA | Ø16×100mm          | 9.5mL          |                                               | Glass         | 50PCS×12 |                                                                     | 0122-9531     |

\*Other specifications and models not listed are customizable.

|                                 |                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------|
| CTAD Tube                       | Cap Colors: Green  |
| Additive: CTAD protective agent | Tube Material: Glass                                                                                  |
| Nominal Volume: 5.5ml / 9.5ml   | Tube Specification: Ø13×100 / Ø16×100                                                                 |

CTAD stands for Citric acid, Theophylline, Adenosine, and Dipyridamole. CTAD solution can prevent accidental activation of platelets. Platelets are rarely activated after blood collection and can be stored for more than 15 hours. Therefore, it is commonly used in thromboelastography, coagulation testing, and platelet antibody testing. Compared to traditional blood clotting tubes, its detection results are more stable.



|                                                                                                  | REF        | Tube Specification | Nominal Volume | Additive              | Tube Material | Qty/Cs   |                                                                     | Original REF. |
|--------------------------------------------------------------------------------------------------|------------|--------------------|----------------|-----------------------|---------------|----------|---------------------------------------------------------------------|---------------|
| <br>CTAD Tube | KJ0551CTAD | Ø13×100mm          | 5.5mL          | CTAD protective agent | Glass         | 50PCS×16 | Safety Cap: Green<br>After blood collection, gently invert and mix. | 0131-5521     |
|                                                                                                  | KJ0952CTAD | Ø16×100mm          | 9.5mL          |                       | Glass         | 50PCS×12 |                                                                     | 0131-9531     |

\*Other specifications and models not listed are customizable.



## Vacuum Blood Collection Tube

|                                   |                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| ESR Tube                          | Cap Colors: Black  |
| Additive: 3.8% Sodium Citrate     | Tube Material: Glass / PET                                                                          |
| Nominal Volume: 1.6mL / 2mL / 3mL | Tube Specification: Ø13×75 / Ø8×120                                                                 |



◆ Ø13×75mm ESR Tube is specially used in blood collection and anticoagulation for Automated Erythrocyte Sedimentation Rate Analyzers sedimentation rate test with the mixing ratio of 1 part sodium citrate to 4 parts blood, by Westergren method.

◆ Ø8×120mm ESR Tube is applicable to various Automated Erythrocyte Sedimentation Rate Analyzers. Due to little volume and negative pressure inside the tube, it needs some time for blood collection. Do patiently wait until blood stops flowing into the tube. Then completely mix the anticoagulation and additive by turning the tube upside down for 6-8 times. Inappropriate mixing will cause hemolysis, coagulation or blood bubble and influence the test result.

|                                                                                                 | REF      | Tube Specification | Nominal Volume | Additive            | MAT<br>Tube Material | Qty/Cs    |                                                                                                                           | Original REF. |
|-------------------------------------------------------------------------------------------------|----------|--------------------|----------------|---------------------|----------------------|-----------|---------------------------------------------------------------------------------------------------------------------------|---------------|
| <br>ESR Tube | KJ0128NC | Ø8×120mm           | 1.6mL          | 3.8% Sodium Citrate | Glass                | 100PCS×18 | Safety Cap: Black<br>After blood collection, gently invert and mix 6-8 times. Invert and mix gently again before testing. | 0110-1241     |
|                                                                                                 | KJ016NC  | Ø13×75mm           | 2mL            | 3.8% Sodium Citrate | Glass                | 100PCS×18 |                                                                                                                           | 0110-0211     |
|                                                                                                 |          |                    |                |                     | PET                  | 100PCS×18 |                                                                                                                           | 0110-0212     |
|                                                                                                 | KJ024NC  | Ø13×75mm           | 3mL            | 3.8% Sodium Citrate | Glass                | 100PCS×18 |                                                                                                                           | 0110-0311     |
|                                                                                                 |          |                    |                |                     | PET                  | 100PCS×18 |                                                                                                                           | 0110-0312     |

\*Other specifications and models not listed are customizable.



## ESR Test Rack

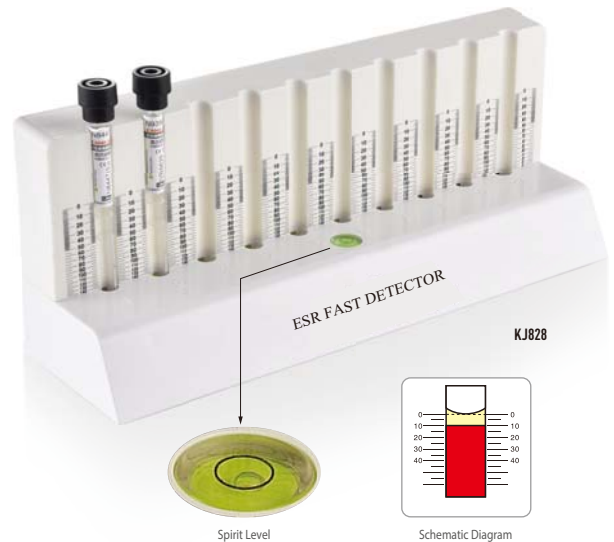
### ESR Fast Detector

#### Main Features

- ◆ Better compatibility compared with Westergren method.
- ◆ A safe, reliable and airtight operation during the whole process from blood collection to test, free of biological contamination.
- ◆ Designed with spirit level of patent technology, which ensures the detector horizontal and aclinic.
- ◆ 10 channels, synchronous operation allowed.
- ◆ Only 30 minutes needed for reading, easy and fast.
- ◆ Stainless steel soleplate with silicagel cushion on, which will avoid any noise or breakage when the ESR tube being placed.

#### How to Use

- ◆ Carry out the venous blood collection according to standard requirements with Ø8×120mm ESR vacuum tube.
- ◆ Immediately invert the tube at 180 degrees for 6-8 times to achieve thorough mixing, which will avoid hemolysis, clotting or blood bubble.
- ◆ At the room temperature of around 20 °C, vertically place the ESR tube containing blood sample onto the detector, note down the starting time and relevant numbers. Keep the detector still for 30 minutes and then read the millimeter of erythrocyte sedimentation.
- ◆ Detailed reading method: Keep it stable for 30min, align the plasma concave in ESR tubes to the zero scale of the detector. Then, read the data by aligning the upper surface of erythrocyte to the scale on the detector. (See as the schematic diagram)



| REF   | Outer Dimension | MAT | Qty/Cs | i           | Original REF. |
|-------|-----------------|-----|--------|-------------|---------------|
| KJ828 | 280×80×110mm    | ABS | 20     | 10-Position | 179-0013      |

\*This product is not disposable and can be reused.

## Westergren ESR Test Kit

#### Overview

- ◆ KJ822 Westergren ESR Rack, Compatible with Type A Westergren ESR Measuring Tubes (KJ823) and Ø13×75 mm ESR vacuum blood collection tubes.
- ◆ KJ823-2 Westergren ESR Rack, Designed for use with Type B Westergren ESR components (KJ823-1 and KJ823-3).
- ◆ Westergren ESR Measuring Tubes, Manufactured from highly transparent polystyrene (PS) material, featuring clear graduations for precise reading by medical personnel.

#### How to Use

##### ① Sample Preparation

Type A: After blood collection using Ø13×75 mm ESR vacuum tubes, gently invert the tube 8–10 times to mix (avoid bubbles)

Type B: For syringe-drawn samples, transfer blood to KJ823-3 container and invert 8–10 times. Place the tube vertically in the ESR rack.

##### ② Insert Measuring Tube

Slowly insert the Westergren ESR measuring tube into the sample tube.\*Type A: Remove the

vacuum tube cap prior to insertion. Ensure the tube tip is immersed in the blood sample.

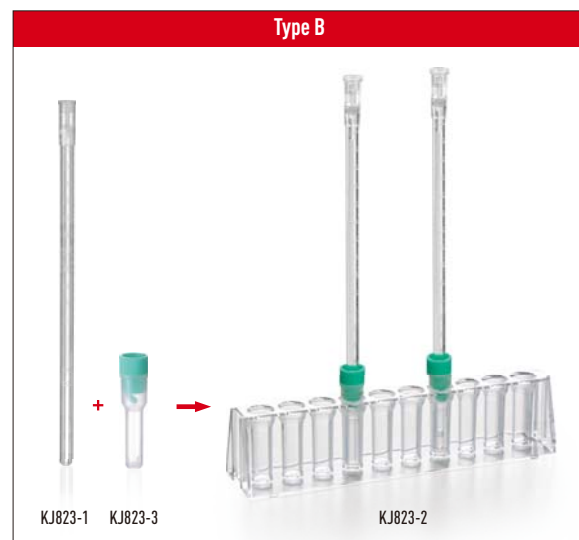
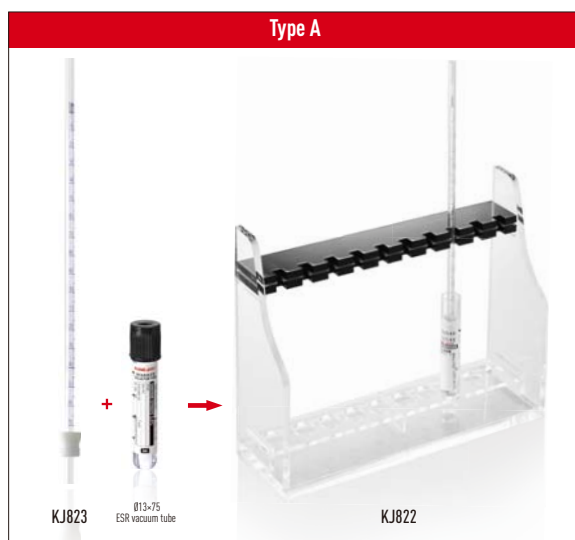
##### ③ Adjust to Zero Mark

Gently press the measuring tube downward until the blood level aligns with the "0" graduation mark.

##### ④ Reading Result

Let stand undisturbed at room temperature for exactly 1 hour.

Report the erythrocyte sedimentation rate in mm/hr (millimeters of plasma column height)





| REF     | Outer Dimension     | MAT  | Qty/Bag | Qty/Box | Qty/Cs |        | Original REF. |
|---------|---------------------|------|---------|---------|--------|--------|---------------|
| KJ822   | Rack:183×57×150mm   | PS   | 1       | -       | 30     | Type A | 179-0014      |
| KJ823   | ESR Tube:Ø4.5×230mm | PS   | 50      | 200     | 4000   |        | 179-2300      |
| KJ823-2 | Rack:185×45×42mm    | PS   | 1       | -       | 30     | Type:B | 179-0015      |
| KJ823-1 | ESR Tube:Ø7×220mm   | PS   | 50      | 200     | 4000   |        | 179-2400      |
| KJ823-3 | Blood Tube:Ø14×58mm | LDPE | 100     | 400     | 4000   |        | 179-2410      |

## Venous Blood Collection Needle

- ◆ According to connection type, The disposable venous blood collection needle can be classified to Pen-type and Standard collection set.
- ◆ Made by Medical grade high polymer material, Sterilized by E.O, Non-toxic, aseptic and Non-Pyrogen.
- ◆ According to the gauge, needles can be divided into various specification 0.55-1.2mm, 18G-25G.
- ◆ KANGJIAN Blood collection set consists of rubber sleeve, rubber stopper puncture needle, luer connector, soft tube, needle hub, venipuncture needle, venipuncture needle cap and other components.
- ◆ Please check the tip of the venipuncture needle before use, do not use if there are defects such as barbs, burrs, deformation, etc.
- ◆ Both pen-type blood collection needles and standard Blood collection set can be used with needle holders.



Individual pack

### (1) Standard collection set



KJ122G-1



KJ122G-2



Detachable adapter



KJ122G-3

Safety lock protection

| REF      |                            | Qty/Pk | Qty/Cs |                                                    | Original REF. |
|----------|----------------------------|--------|--------|----------------------------------------------------|---------------|
| KJ122G-1 | 22G Single-wing            | 100    | 5000   | Non-detachable adapter                             | 0201-1122G    |
| KJ122G-2 | 22G Single-wing            | 100    | 5000   | Detachable adapter                                 | 0201-1222G    |
| KJ122G-3 | 22G Double-wing, Safe type | 100    | 2000   | Non-detachable adapter with safety lock protection | 0201-2122G    |

\* Other specifications can be customized.

### (2) Pen-type



| REF       |               | Qty/Pk | Qty/Cs |        | Original REF. |
|-----------|---------------|--------|--------|--------|---------------|
| KJ831-18G | 18G, Pen type | 100    | 5000   | Pink   | 0202-118G     |
| KJ831-20G | 20G, Pen type | 100    | 5000   | Yellow | 0202-120G     |
| KJ831-21G | 21G, Pen type | 100    | 5000   | Green  | 0202-121G     |
| KJ831-22G | 22G, Pen type | 100    | 5000   | Black  | 0202-122G     |
| KJ831-23G | 23G, Pen type | 100    | 5000   | Blue   | 0202-123G     |

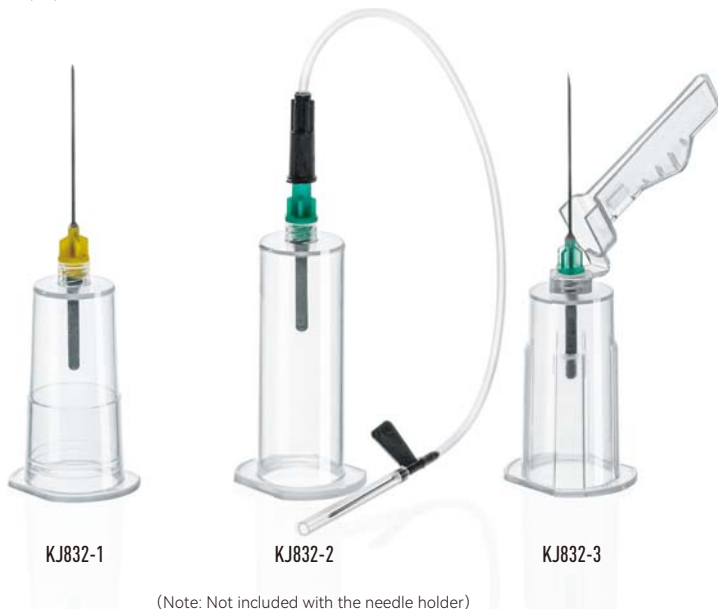
Appendix: Comparison table of venous needle specifications

| Colour            | Orange       | Purple        | Blue         | Black        | Green        | Yellow       | Cream        | Pink         |
|-------------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Needle Spec. (mm) | 0.5×20 (25G) | 0.55×20 (24G) | 0.6×25 (23G) | 0.7×25 (22G) | 0.8×27 (21G) | 0.9×28 (20G) | 1.1×28 (19G) | 1.2×28 (18G) |



## Blood Collection Accessories

### (1) Needle holder



The needle holder is a disposable auxiliary device for venous blood collection, used to connect the venous blood collection needle with the vacuum blood collection tube, providing stable support and safety protection for venipuncture.

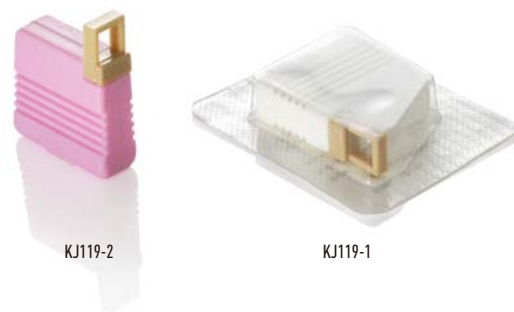
- ☉ Firmly secures the blood collection needle to prevent movement during puncture, improving success rate and reducing patient discomfort.
- ☉ Offers a comfortable grip for easy one-handed operation, relieving fatigue for medical staff.
- ☉ Allows quick replacement of blood collection tubes, enhancing the efficiency of multi-tube blood collection.
- ☉ Protects medical staff from needlestick injuries caused by the rubber stopper puncture needle, reducing the risk of occupational exposure.
- ☉ The safety needle holder is designed exclusively for pen-type blood collection needles, with an added needlestick prevention feature at the venipuncture end, which significantly reduces the risk of needlestick injuries to medical staff after blood collection.

| REF     | MAT |     |      | i           |
|---------|-----|-----|------|-------------|
| KJ832-1 | PP  | 100 | 2000 | Short type  |
| KJ832-2 | PP  | 100 | 2000 | Long type   |
| KJ832-3 | PP  | 100 | 2000 | Safety type |

### (2) Venous tourniquet



### (3) Bleeding time device

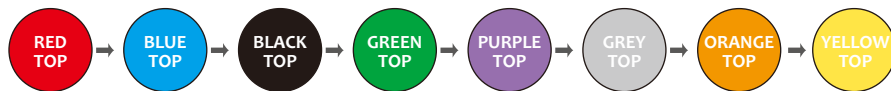


| REF     |                 | Qty/Pk | Qty/Cs | i              | Original REF. |
|---------|-----------------|--------|--------|----------------|---------------|
| KJ833   | General purpose | 1      | 600    | Tourniquets    | 0204-101      |
| KJ119-1 | For adult       | 20     | 1000   | Bleeding timer | 0205-101      |
| KJ119-2 | For child       | 20     | 1000   | Bleeding timer | 0205-102      |



## Correct Usage Method of Vacuum Blood Collection Tube

### 1. Blood collection sequence and attentions

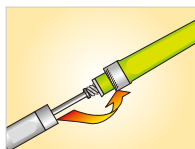


#### Attentions:

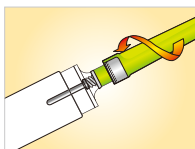
- I. It's critical to fix the needle holder and needle wing of the scalp vein set.
- II. Do not use the tourniquet more than 1 minute.
- III. Immediately mix the blood and additive inside the tube after blood collection.
- IV. Collect blood as left sequence.

### 2. How to use KANGJIAN vacuum tube

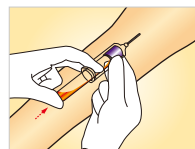
#### Pen-type blood collection needle



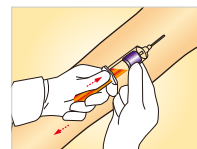
① Choose the right specification pen-type needle and take off the white cover of the needle.



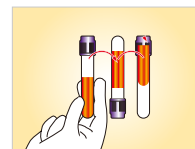
② Screw the needle into the needle holder.



③ Take off the color cover of the needle and choose the human proper vein to puncture. Insert the vacuum tube into the holder and press to puncture the tube stopper.

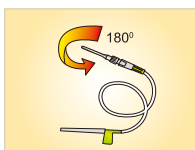


④ After the vacuum in the tube used up, blood will stop flowing into the tube. Take out the tube from the holder.

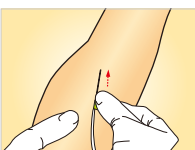


⑤ Right after the needle taken out, turn it upside down 5-6 times to mix the blood and additive inside completely. Intense turning is strictly prohibited.

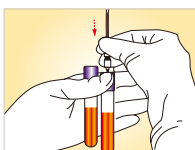
#### Blood collection needle with scalp vein set



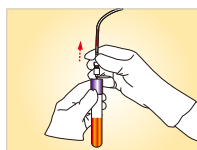
① Screw tight the connection between needle and the soft pipe to prevent leakage of vacuum or blood during the blood collection.



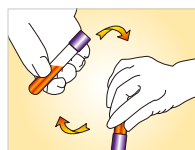
② Choose the human proper vein to puncture and blood flow could be seen.



③ Insert another side of the needle into the tube stopper.

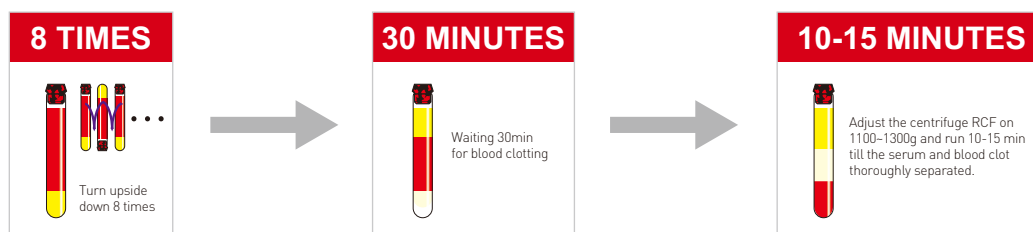


④ When 0.5mL short of the rated blood volume in the final tube, take out the needle from the vein. Take off the needle from tube after blood in the soft pipe all flows into the tube.



⑤ Right after the needle taken out, turn the tube upside down 5-6 times to mix the blood and additive inside completely. Intense turning is strictly prohibited.

### 3. Step of correctly preparing high quality serum with Gel/Clot activator tube







## Non-Vacuum Blood Collection Tube

- ★ Made of medical grade PP material.
- ★ Siliconization treatment on the inner surface, no blood adhesion after collection.
- ★ High quality gel makes the serum separation complete with no fibrin adhering to the inner surface of the tube.
- ★ There uniformly sprays the quantitative coagulant/anticoagulant, which will mix smoothly and completely with the blood, thus ensures fast coagulation or effective anticoagulation.
- ★ Good compatibility makes the tube match with various kinds of biochemical, immunity and haematology analyzers.
- ★ Labes which can indicate the precise blood collection volume can be customized according to clients requirement.



KJ203



KJ204



KJ204-1



KJ204-2



KJ204-4

| REF     | Tube Specification | Nominal Volume | Additive                       | Qty/Cs    | Original REF. |
|---------|--------------------|----------------|--------------------------------|-----------|---------------|
| KJ203   | Ø13×75mm           | 2mL            | EDTA Salt                      | 100PCS×20 | 0302-0212     |
|         | Ø13×100mm          | 5mL            | EDTA Salt                      | 100PCS×20 | 0302-0522     |
| KJ204   | Ø13×75mm           | 3mL            | Lithium Heparin                | 100PCS×20 | 0307-0312     |
|         | Ø13×100mm          | 5mL            | Lithium Heparin                | 100PCS×20 | 0307-0522     |
|         | Ø13×75mm           | 3mL            | Sodium Heparin                 | 100PCS×20 | 0306-0312     |
|         | Ø13×100mm          | 5mL            | Sodium Heparin                 | 100PCS×20 | 0306-0522     |
| KJ204-1 | Ø13×75mm           | 3mL            | Gel & Clot Activator           | 100PCS×20 | 0301-0312     |
|         | Ø13×100mm          | 5mL            | Gel & Clot Activator           | 100PCS×20 | 0301-0522     |
| KJ204-2 | Ø13×75mm           | 2mL            | Sodium Fluoride+Heparin Sodium | 100PCS×20 | 0308-0212     |
|         | Ø13×100mm          | 5mL            | Sodium Fluoride+Heparin Sodium | 100PCS×20 | 0308-0522     |
|         | Ø13×75mm           | 2mL            | Sodium Fluoride+EDTA.K2        | 100PCS×20 | 0314-0212     |
|         | Ø13×100mm          | 5mL            | Sodium Fluoride+EDTA.K2        | 100PCS×20 | 0314-0522     |
| KJ204-4 | Ø13×75mm           | 3mL            | No Additive                    | 100PCS×20 | 0304-0312     |
|         | Ø13×100mm          | 5mL            | No Additive                    | 100PCS×20 | 0304-0522     |

- ★ KANGJIAN now launch the new type non-vacuum tube.
- ★ With the excellent design for the stopper and tube structure, it is convenient for inserting or removing the stopper.
- ★ Perfect match between the stopper and the tube ensures no leakage.
- ★ Easy and convenient for one-hand operation during the experiment.





## Capillary Blood Collection Tube

▲ **KJ001-1** type is a newly designed capillary blood collection tube of KJ001 type. With higher automation degree in the laboratories, informatization is also promoted, barcode scanning, specimen tested on machine, Test result storage are all common items in laboratory. This newly designed capillary blood collection tube can be applied for blood analyzer directly. It has advantage on function and structure which can meet the test requirement furthest.

▲ Smooth and round design on tube mouth, which can be used to collection tip blood sample smoothly.

▲ Barcode management, Enough space left to observe blood collection volume after barcode pasted. It can be connected to the informatized data system easily.

▲ V bottom for easier collection and absorbing of blood sample.

▲ extended Tube body is customized for automatic inspection of blood analyzer, It can be put in test tube rack, easily for specimen management in labs.

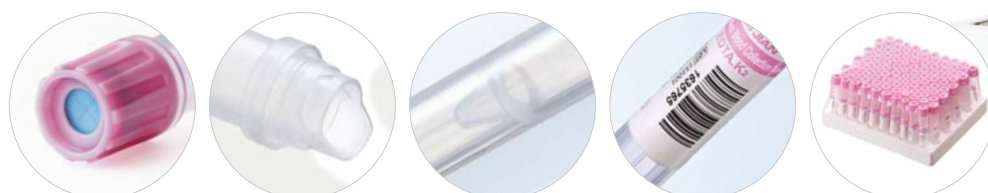
▲ It can be adapted to: All manual loading analyzer, Including: Mindray 5100, 5300, 5800, 6800. NIHON KOHDEN 7222,

8222 analyzer, SYSMEX XS500i, XS800i, 1800, 2100. It can be loaded directly in: XS1000i, 900i, XNB2, XNB4 model of SYSMEX analyzer.

▲ Applicable for many automatic CRP machines.



(For use with automated blood analyzers)



① Puncturable cap for puncture and liquid drawing by the automatic analyzer.

② Smooth and round mouth design.

③ V bottom design.

④ Barcode information management.

⑤ 100 PCS



Tube A + Cap II



Tube A + Cap III



Tube C + Cap III



Tube D + Cap IV

| REF     | Tube + Cap       | Additive                    | Blood Collection Volume | Qty/Cs    |                                                                                                                                                                                                                      | Original REF. |
|---------|------------------|-----------------------------|-------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| KJ001-B | Tube A + Cap II  | Customized:<br>EDTA         | 0.25mL / 0.5mL          | 100PCS×30 | 1. Multiple combinations of cap+tube to adapt to the experimental needs of auto analyzer.<br>2. Can be customized with different additives, labels and cap colors.<br>3. E.O. or Irradiation Radiation / Non-Sterile | 041-0243      |
| KJ001-C | Tube A + Cap III | Lithium heparin             |                         |           |                                                                                                                                                                                                                      | 041-0248      |
| KJ001-D | Tube C + Cap III | No additive                 |                         |           |                                                                                                                                                                                                                      | 041-0245      |
| KJ001-E | Tube D + Cap IV  | Gel & Clot activator<br>... |                         |           |                                                                                                                                                                                                                      | 041-0246      |

▲ **KJ001** capillary blood collection tube has humanized design and snap sealed safety cap, the tube can effectively prevent blood leakage. Owing to its multi-dentation and double orientation structure, it's convenient for safe transportation and simple operation, free of blood spatter.

▲ The color coding of safety cap is consistent with International Standard, Easy for identification.

▲ Salient design for the edge of the tube mouth is easy for users shoveling blood into the tube. Simple, fast and intuitionistic, the blood volume can be easily read with clear graduation line.

▲ Special treatment inside the tube, it's smooth on the surface with no blood adhesion.

▲ KANGJIAN can customize barcode, and sterilize the tube with irradiation rays as per clients' requirements to achieve asepsis testing.



KJ001

| REF     | Additive                         | Volume            | Qty/Cs    |                                             | Original REF. |
|---------|----------------------------------|-------------------|-----------|---------------------------------------------|---------------|
| KJ001   | EDTA                             | 0.25 / 0.5 / 1 mL | 100PCS×30 | E.O. or Irradiation Radiation / Non-Sterile | 041-0221      |
|         | Lithium Heparin / Sodium Heparin | 0.25 / 0.5 / 1 mL | 100PCS×30 |                                             | 041-0721      |
|         | No Additive                      | 0.25 / 0.5 / 1 mL | 100PCS×30 |                                             | 041-0421      |
|         | Gel & Clot Activator             | 0.25 / 0.5 / 1 mL | 100PCS×30 |                                             | 041-0121      |
| KJ001-2 | EDTA                             | 0.25 / 0.5 / 1 mL | 100PCS×30 | V-bottom                                    | 041-0222      |



KJ001-2



## Capillary Blood Collection Tube

▲ **KJ002** is designed under scientific concept, the sealed butyl rubber stopper is designed with central cross incision on top for easy inserting of the capillary. After blood collection, the cross incision automatically seal up when the capillary is pulling out, which effectively prevent blood leaking to guarantee safe and reliable transportation.

▲ With special surface treatment both inside the capillary and capillary storage tube, blood samples will automatically flow into bottom of the storage tube through the capillary without any blood adhesion or harm to the blood corpuscle. The additive is uniformly sprayed on surface both inside the capillary and storage tube, which is quite easy for blood anticoagulation, while avoiding tiny clotting. In this way, accurate testing result is guaranteed.

▲ The cross incision is applicable to the sampling needle of all analyzers. Easy insert and automatic sampling requiring no cap opening operation during the whole testing process, safe and efficient.



KJ002

### ○ Funnel for Capillary blood collection tube of KJ205-2

It's mainly used to be assorted to the KJ002 capillary blood collection tube to transfer blood specimen, It's used for collection of peripheral blood capillary blood, And it allows samples to be transferred to the second tube, while using the funnel it's no need to open the rubber cover of the micro tube, And after removing the funnel the tube will be sealed again or you can send it to be analyzed by the automatic analyzer.



KJ205-2

HOW TO USE



| REF     | Additive                         | Volume            | Qty/Cs     |                                                                               | Original REF. |
|---------|----------------------------------|-------------------|------------|-------------------------------------------------------------------------------|---------------|
| KJ002   | EDTA                             | 0.25 / 0.5 / 1 mL | 100PCS×30  | E.O. or Radiation / Non-Sterile                                               | 042-0221      |
|         | Lithium Heparin / Sodium Heparin | 0.25 / 0.5 / 1 mL | 100PCS×30  |                                                                               | 042-0721      |
|         | No Additive                      | 0.25 / 0.5 / 1 mL | 100PCS×30  |                                                                               | 042-0421      |
|         | Gel & Clot Activator             | 0.25 / 0.5 / 1 mL | 100PCS×30  |                                                                               | 042-0121      |
| KJ205-2 | -                                | -                 | Customized | Funnel for Capillary blood collection tube<br>E.O. or Radiation / Non-Sterile | 046-0001      |

▲ **KJ003** has the unique shovel-like design of the tube, easy for peripheral blood flowing into the tube rapidly, safe and convenient. Conical end is more compatible for collecting micro blood specimen. Silicone treated on the inner face, Minutely uniform spraying makes the blood completely contact with the imported high-quality anticoagulant, which will achieve thorough anticoagulation without any worry about the tiny coagulation, thus guarantee the accuracy and reliability of the testing result.



KJ003



KJ003-1

| REF     | Additive | Volume        | Qty/Cs     |                                                                                                                             | Original REF. |
|---------|----------|---------------|------------|-----------------------------------------------------------------------------------------------------------------------------|---------------|
| KJ003   | EDTA     | 0.25 / 0.5 mL | 1000PCS×10 |                                                                                                                             | 043-0211      |
| KJ003-1 | EDTA     | 0.25 / 0.5 mL | 1000PCS×10 | Extended tube, deepened V-shaped bottom, which facilitates capillary blood collection. Customized bar code label available. | 043-0212      |

## Lancet

| REF     | Specification   | Qty/Cs     |                                  | Original REF. |
|---------|-----------------|------------|----------------------------------|---------------|
| KJ205   | 23G / 26G / 28G | 100PCS×200 | Disposable Blood Lancet          | 045-0001      |
| KJ205-2 | 26G             | 100PCS×200 | Pressure Activated Safety Lancet | 045-0003      |



KJ205



KJ205-2



## Blood Capillary Pipet

### Overview & Features

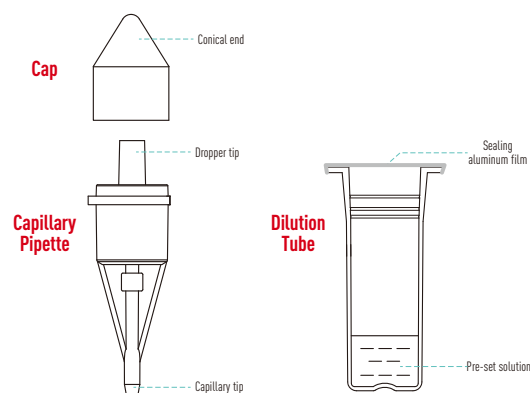
○ **POCT Application:** Designed for point-of-care testing (POCT) of blood, which refers to clinical or bedside testing performed near the patient, not necessarily by a laboratory technician. It enables immediate on-site sample analysis, bypassing complex laboratory processing to deliver rapid results. It is specifically developed to quantitatively aspirate microliter volumes of blood, dilute the sample, and then dispense precise volumes for subsequent testing.

○ **Components:** Comprises a capillary pipette, tube cap, and dilution tube prefilled with customized liquid volume (volume customizable).

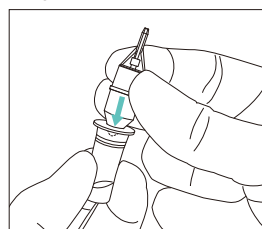
○ **Precision Design:** The capillary pipette is injection-molded from medical-grade high-transparency polystyrene (PS), ensuring straightness, smooth inner walls, exceptional quality, and accuracy. Rapid capillary action (~0.02 s) facilitates effortless liquid aspiration and operation.

○ **Customization:** Pipette volumes: 5µL, 7.5µL, 10µL, or 20µL (customizable). Cap types: Options A, C, or D for compatibility with dilution tubes.

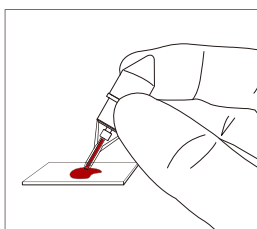
○ **Quality Assurance:** Manufactured in a cleanroom environment; DNase-free, RNase-free, and endotoxin-free.



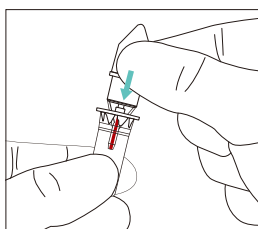
### Usage Guide



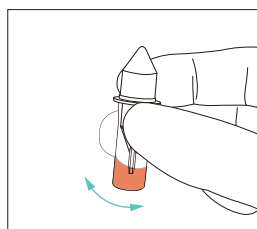
① Prepare: take a capped capillary pipette. Pierce the aluminum seal of the dilution tube fully using the conical end of the cap (Or use clean utensils for non-conical caps).



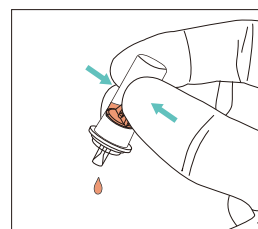
② Aspirate Sample: Touch the pipette's capillary tip to the liquid sample. The sample is instantly drawn into the capillary via surface tension.



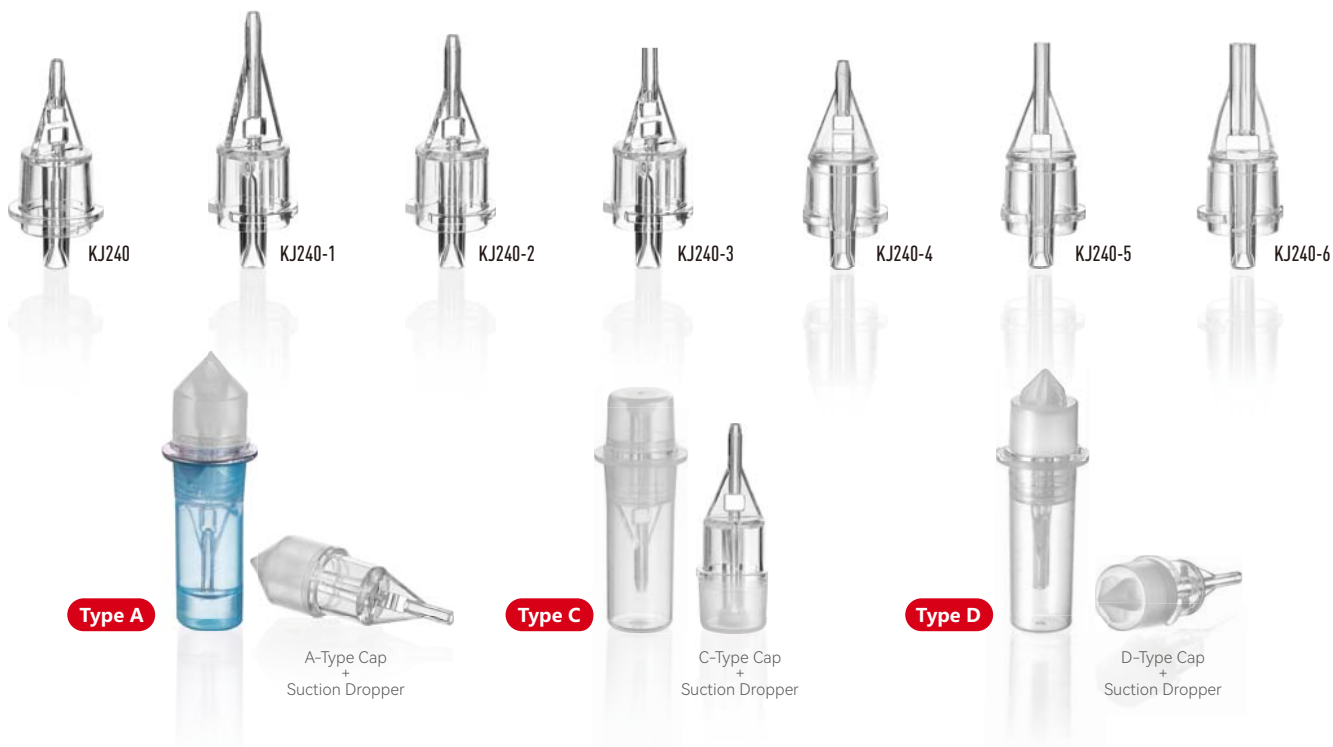
③ Seal & Mix: Insert the pipette into the dilution tube and press down firmly to ensure a leak-proof seal. Shake vigorously to mix the sample with the prefilled diluent.



④ Dispense: Remove the cap and gently squeeze the tube wall to dispense the mixed sample dropwise from the tip.



⑤ Storage: Recap after use to prevent contamination.



| REF     | MAT | Drop Volume          | Qty/Bag | Qty/Cs |                | Original REF. |
|---------|-----|----------------------|---------|--------|----------------|---------------|
| KJ240   | PS  | 5µL                  | 2000    | 20000  | For Type A / C | 082-137       |
| KJ240-1 | PS  | 10µL                 | 2000    | 20000  | For Type A / C | 082-138       |
| KJ240-2 | PS  | 7.5µL                | 2000    | 20000  | For Type A / C | 082-139       |
| KJ240-3 | PS  | 10µL                 | 2000    | 20000  | For Type A / C | 082-140       |
| KJ240-4 | PS  | 5µL                  | 2000    | 20000  | For Type D     | 082-141       |
| KJ240-5 | PS  | 10µL                 | 2000    | 20000  | For Type D     | 082-142       |
| KJ240-6 | PS  | 20µL(Double dropper) | 1000    | 10000  | For Type D     | 082-143       |



## Sharps Container

### Overview

- Made by PP material, No PVC included, it can reduce the contamination of environment when disposal injury wastes by high temperature.
- Made by hard material, Sealed and anti-piercing, Safe, convenient, leakage proof, easy for disposal by high temperature. Once sealed, open by mistake is impossible without damage on it.
- Convenient for safe disposal of disposable venous blood collection needle, also can be used for collecting syringes, infusion sets, blades and structure needles etc.
- Color to be Yellow (Red can be customized). Warning marks shown on the side of the container.

### How to use



| REF     | MAT | Volume | Qty/Cs |                            | Original REF. |
|---------|-----|--------|--------|----------------------------|---------------|
| KJ825   | PP  | 1L     | 200    | Safety Container, Cylinder | 05-0111       |
| KJ825-1 | PP  | 2L     | 200    |                            | 05-0211       |
| KJ826   | PP  | 3L     | 100    |                            | 05-0311       |
| KJ826-1 | PP  | 5L     | 80     |                            | 05-0511       |
| KJ826-5 | PP  | 15L    | 10     |                            | 05-1511       |
| KJ827-1 | PP  | 3L     | 60     | Safety Container, Square   | 05-0321       |
| KJ827-2 | PP  | 5L     | 40     |                            | 05-0521       |
| KJ827-3 | PP  | 7L     | 30     |                            | 05-0721       |
| KJ827-4 | PP  | 13L    | 20     |                            | 05-1321       |





## Vacuum Tube Cold Storage Box

### Overview

- ① To meet the demand of lab safety and ISO 15189 standard, We now launch the Vacuum tube cold storage box after analyzed, It makes the work for blood specimen aftertreatment faster, easier, and safer. It's the ideal choice for laboratory safety and quality control.
- ② According to different sealing method, it can be divided into three types: Silicagel pad, Sticky foam pad and no pad with the tube cap on.
- ③ For different clinical department, Testing items and date, We prepared 6 different colors for each of the three kinds of box: Red, Orange, Yellow, Green, Blue and Purple.
- ④ According to the tube size, each of the three types can match with tubes of two specifications:  $\Phi 13 \times 75\text{mm}$  and  $\Phi 13 \times 100\text{mm}$ .
- ⑤ To avoid any inconvenience caused by unnormal label (like multi-layer label, turnup label or corrugated label) or non-standard bigger diameter tube, KANGJIAN also launch the storage box with special structure.



### Features

- ① Press down the cover slightly, the box will automatically lock and seal, one light press on the buckle can easily open it.
- ② Detachable design allows it to be used as a test tube rack.
- ③ Moulded code no of 1-100, convenient for locating the samples.
- ④ Multi-color label, Easy to write related information and put on the box.
- ⑤ Hidden handle design, brief and delicate.
- ⑥ Particular locating slot design makes boxes stack available without moving or sliding.
- ⑦ Convenient to put or take out tubes with unnormal label (like multi-layer label, turnup label or corrugated label, or tubes with big diameter less than 14mm).
- ⑧ Adapted to store tubes with safety cap on.



### Types

#### Silicagel Pad :

- ① Adapted to store vacuum blood collection tubes after cap removed.
- ② The silicagel pad is made by superior raw material to keep its physical and chemical property stable. Flexible and no deformation, combines tight with tubes while closing the cover.
- ③ Ensure the flat surface of the pad outward, or else it would affect the sealing.

#### Sticky Foam :

- ① Adapted to store vacuum blood collection tubes after cap removed.
- ② Features: Easy and convenient for disposal without blood pollution.
- ③ Strong adhesion can tightly seal the blood collection tubes after closing the cover. Twice stickup is available after tube being removed from the pad.



| REF     | Dimension    | Tube Spec. | Box Colour        |                                                                         | Original REF. |
|---------|--------------|------------|-------------------|-------------------------------------------------------------------------|---------------|
| KJ834   | 200×180×95mm | Ø13×100mm  |                   | For tubes without cap, With:Silicagel pad, Sticky foam pad, Colour card | 06-2001       |
| KJ834-1 | 200×180×85mm | Ø13×75mm   | 6 Optional Colors | For tubes without cap, With:Silicagel pad, Sticky foam pad, Colour card | 06-1001       |
| KJ834-2 | 200×180×85mm | Ø13×75mm   |                   | For tubes with cap, With:Silicagel pad, Sticky foam pad, Colour card    | 06-1101       |



# CUVETTE & SAMPLE CUP

# 02



- Cuvette
- Sample Cup

28-30

31-33





## Cuvette



KJ133



KJ134



KJ135



KJ136



KJ139



KJ111



KJ111-1



KJ111-2



KJ112-2



KJ112-1



KJ104



KJ104-1

| REF     | MAT | *              |      |     |       |                         | Original REF. |
|---------|-----|----------------|------|-----|-------|-------------------------|---------------|
| KJ133   | PS  | 12.5×12.5×45mm | —    | 100 | 2000  | Application: 340-900mm  | 081-101       |
| KJ134   | PS  | 12.5×12.5×45mm | —    | 100 | 2000  | Application: 340-900mm  | 081-102       |
| KJ135   | PS  | 12.5×12.5×45mm | —    | 100 | 2000  | Application: 340-900mm  | 081-103       |
| KJ136   | PS  | 12.5×12.5×45mm | —    | 100 | 2000  | Application: 340-900mm  | 081-104       |
| KJ139   | PS  | 15.7×11.8×46mm | —    | 100 | 2000  | Application: 340-900mm  | 081-105       |
| KJ111   | PS  | Ø15×35mm       | 2000 | —   | 20000 | For Sysmex CA 530       | 081-106       |
| KJ111-1 | PS  | Ø15×35mm       | 1000 | —   | 24000 | For Sysmex CA 7000      | 081-107       |
| KJ111-2 | PS  | Ø15×35mm       | 3000 | —   | 24000 | For Sysmex CA 1500      | 081-108       |
| KJ112-2 | PS  | Ø8.8×30mm      | 2000 | —   | 20000 | For SEKISUI             | 081-110       |
| KJ112-1 | PS  | Ø15×35mm       | 2000 | —   | 20000 | For Sysmex 2000i        | 081-109       |
| KJ104   | PS  | 60×32mm        | 29   | —   | 2001  | For German BE Automatic | 081-111       |
| KJ104-1 | PS  | 119×32mm       | 8    | —   | 1160  | For German BE Automatic | 081-112       |

\*Typical dimensions for reference only. Actual product may vary.



## Cuvette



| REF     | MAT | *           |      |       |                                        | Original REF. |
|---------|-----|-------------|------|-------|----------------------------------------|---------------|
| KJ101   | PS  | 7.5×8×23mm  | 1000 | 25000 | For German BE 1 Channel                | 081-113       |
| KJ102   | PS  | 7.5×29×21mm | 600  | 6000  | For German BE 2 Channel                | 081-114       |
| KJ103   | PS  | 7.5×61×21mm | 300  | 6000  | For German BE 4 Channel                | 081-115       |
| KJ105   | PS  | 11×30×27mm  | 100  | 4000  | For German BECL4 2 Channel             | 081-116       |
| KJ106   | PS  | 11×60×27mm  | 50   | 1000  | For German BECL4 4 Channel             | 081-117       |
| KJ107   | PS  | 11×120×27mm | 25   | 500   | For German BECL4 8 Channel             | 081-118       |
| KJ108   | PS  | Ø17×26mm    | 1000 | 10000 | For German TECO 1 Channel              | 081-119       |
| KJ109   | PS  | 11×31×19mm  | 1000 | 10000 | For German TECO 2 Channel              | 081-120       |
| KJ110   | PS  | Ø10×19mm    | 1000 | 25000 | For German TECO 1 Channel (Small size) | 081-121       |
| KJ110-1 | PS  | Ø10×23mm    | 1000 | 25000 | For German TECO 1 Channel (Large size) | 081-122       |
| KJ114   | PS  | 7.5×8×23mm  | 1000 | 10000 | For Spain Cruor Apparatus              | 081-123       |
| KJ115   | PS  | 11×120×27mm | 1000 | 10000 | For SIEMENS BFT II                     | 081-124       |

\*Typical dimensions for reference only. Actual product may vary.



## Cuvette



KJ124



KJ125



KJ132



KJ137



KJ138



KJ116



KJ118



KJ120



KJ121

| REF   | MAT | *            |      |       |                               | Original REF. |
|-------|-----|--------------|------|-------|-------------------------------|---------------|
| KJ124 | PS  | 11×60×27mm   | 50   | 3000  | For Beijing Perleng           | 081-125       |
| KJ125 | PS  | 11×30×27mm   | 25   | 500   | For Swiss SEROZYME            | 081-126       |
| KJ132 | PS  | Ø11×23mm     | 1000 | 10000 | For Sigma KC-40               | 081-127       |
| KJ137 | PS  | Ø12×30mm     | 1000 | 10000 | FC Serum Cup (Large size)     | 081-128       |
| KJ138 | PS  | Ø10×30mm     | 1000 | 10000 | FC Serum Cup (Small size)     | 081-129       |
| KJ116 | PS  | 47.5×9×27mm  | 200  | 4000  | For American Pacific          | 081-130       |
| KJ118 | PS  | 45×19×28mm   | 100  | 2000  | For Zhongshan Peikang         | 081-131       |
| KJ120 | PS  | 66×16×30mm   | 175  | 2100  | For Precil / For French STAGO | 081-133       |
| KJ121 | PS  | 66.5×16×24mm | 140  | 2800  | For Steellex                  | 081-134       |

\*Typical dimensions for reference only Actual product may vary.



## Sample Cup



| REF   | MAT   | *          |      |       |                                          | Original REF. |
|-------|-------|------------|------|-------|------------------------------------------|---------------|
| KJ206 | PS+PP | Ø24×45mm   | 180  | 1800  | For Swelab AC900 series                  | 082-101       |
| KJ211 | PS    | Ø16×38mm   | 500  | 5000  | For Hitachi 7150, 7060 series            | 082-102       |
| KJ212 | PS    | Ø13×24mm   | 1000 | 10000 | For American Beckman CX series           | 082-103       |
| KJ213 | PS    | Ø14×25mm   | 1000 | 10000 | For American Beckman 700/American Dupont | 082-104       |
| KJ214 | PS    | Ø13×20mm   | 1500 | 15000 | For Kodak                                | 082-105       |
| KJ215 | PS    | Ø13×17mm   | 1500 | 13500 | For American IL                          | 082-106       |
| KJ216 | PS    | Ø12×20mm   | 2000 | 20000 | For American Corning 550, 560 series     | 082-107       |
| KJ219 | PS    | Ø15×40mm   | 500  | 5000  | For American Abbott CCX                  | 082-108       |
| KJ220 | PS    | Ø13×38mm   | 500  | 6000  | For Hitachi Minimun                      | 082-109       |
| KJ224 | PS    | Ø16.8×29mm | 1000 | 9000  | For Hitachi (Conical sample cup)         | 082-110       |
| KJ225 | PS    | Ø10×49mm   | 500  | 5000  | For American Abbott                      | 082-111       |
| KJ226 | PS    | Ø17.5×53mm | 400  | 4000  | For American Abbott AXSYM                | 082-112       |

\*Typical dimensions for reference only. Actual product may vary.



## Sample Cup



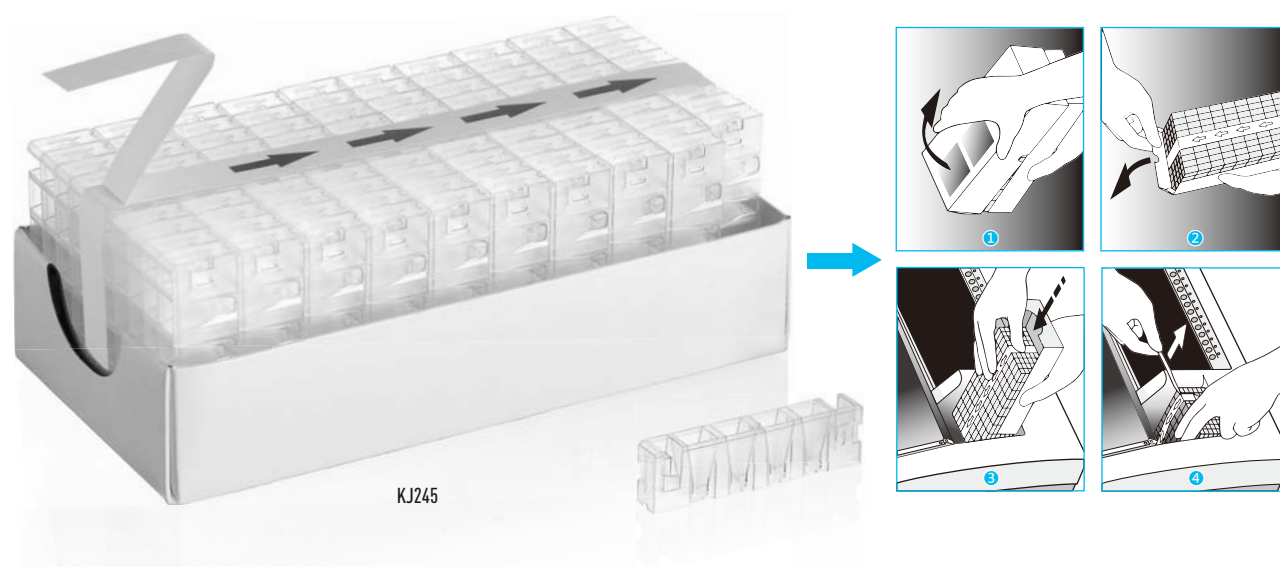
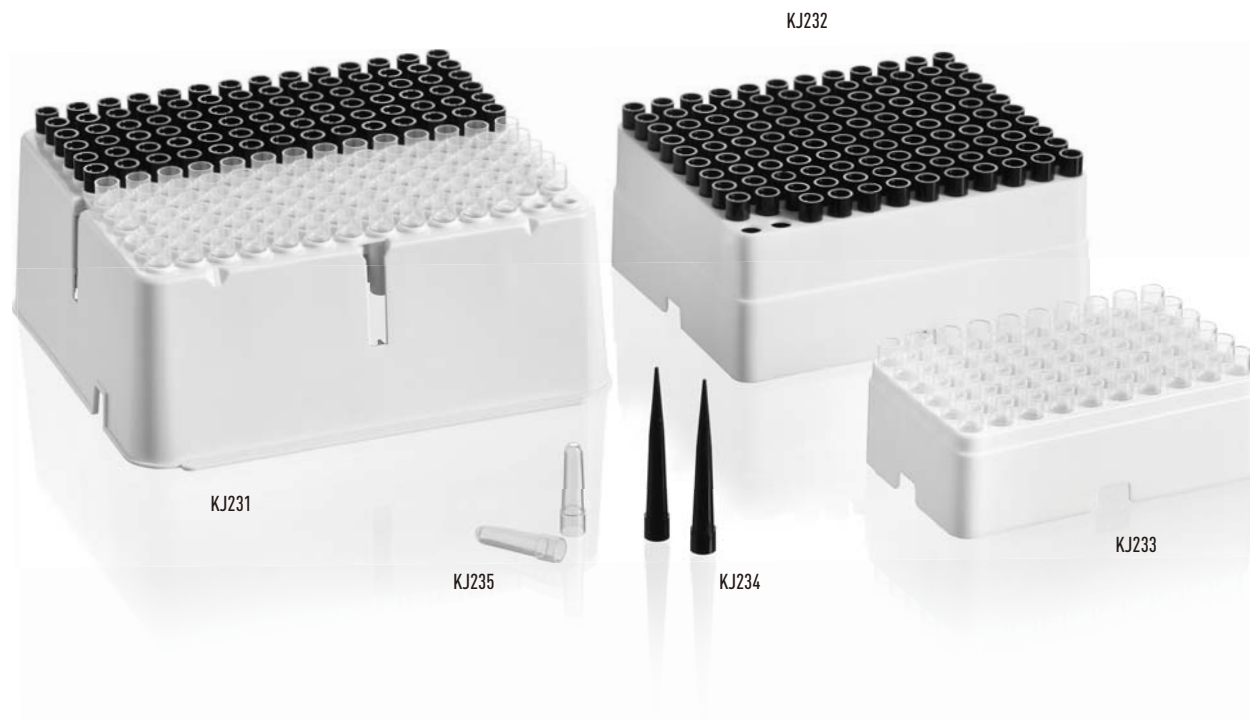
| REF     | MAT |  * |  |  |  | Original REF. |
|---------|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ221   | PS  | Ø7×26mm                                                                               | 2000                                                                                | 20000                                                                               | For Bowlinman / Roche                                                                 | 082-113       |
| KJ222   | PP  | Ø9×18mm                                                                               | 2000                                                                                | 20000                                                                               | For Shanghai AnTai                                                                    | 082-114       |
| KJ223   | PP  | Ø11×19mm                                                                              | 2000                                                                                | 20000                                                                               | For American M10                                                                      | 082-115       |
| KJ223-1 | PP  | Ø15×22mm                                                                              | 1000                                                                                | 10000                                                                               | For SINNOWA                                                                           | 082-116       |
| KJ246   | PP  | Ø15×25mm                                                                              | 1000                                                                                | 10000                                                                               | For SIEMENS XP                                                                        | 082-117       |
| KJ236   | PP  | 40×11mm                                                                               | 1000                                                                                | 10000                                                                               | For Abbott Architect i2000 SR                                                         | 082-118       |
| KJ236-1 | PP  | Standardization                                                                       | 1000                                                                                | 10000                                                                               | For Autobio                                                                           | 082-119       |
| KJ238   | PP  | Ø8×40mm                                                                               | 1000                                                                                | 10000                                                                               | For Beckman DXI800                                                                    | 082-120       |
| KJ239   | PP  | 12.4×7×38mm                                                                           | 1000                                                                                | 10000                                                                               | For SIEMENS                                                                           | 082-121       |
| KJ247   | PS  | Ø14×26mm                                                                              | 1000                                                                                | 10000                                                                               | For Sysmex                                                                            | 082-122       |
| KJ217   | PP  | 8×34mm                                                                                | 1000                                                                                | 10000                                                                               | For Roche COBAS                                                                       | 082-123       |

\*Typical dimensions for reference only. Actual product may vary.





## Sample Cup



| REF   | MAT |  * |  |  |  |  | Original REF. |
|-------|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ231 | PP  | 138×121×54mm                                                                          | —                                                                                   | 48                                                                                  | 96                                                                                  | Set Packed Sample Cup & Tip for Roche                                                 | 082-131       |
| KJ232 | PP  | 112×94×45mm                                                                           | —                                                                                   | 30                                                                                  | 120                                                                                 | Set Packed Tip for Roche                                                              | 082-132       |
| KJ233 | PP  | 95×59×30mm                                                                            | —                                                                                   | 60                                                                                  | 240                                                                                 | Set Packed Sample Cup for Roche                                                       | 082-133       |
| KJ234 | PP  | 7×50mm                                                                                | 1000                                                                                | —                                                                                   | —                                                                                   | Set Packed Tip for Roche                                                              | 082-134       |
| KJ235 | PP  | 7×27mm                                                                                | 2000                                                                                | —                                                                                   | —                                                                                   | Set Packed Sample Cup for Roche                                                       | 082-135       |
| KJ245 | PS  | 18×9×7mm                                                                              | —                                                                                   | 100                                                                                 | 2000                                                                                | For Beckman ACL-TOP                                                                   | 082-136       |

\*Typical dimensions for reference only. Actual product may vary.

# SPECIMEN SWAB



|                                            |    |
|--------------------------------------------|----|
| → Transport Swab                           | 35 |
| → Microbiological Swab                     | 36 |
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| → Virus Collection and Preservation System | 38 |
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| → Surface Microbiology Sampling Sponge     | 40 |
| → ATP Detection Swab                       | 41 |
| → Cervix Sampler                           | 42 |
| → Cervix Sampling Set                      | 43 |



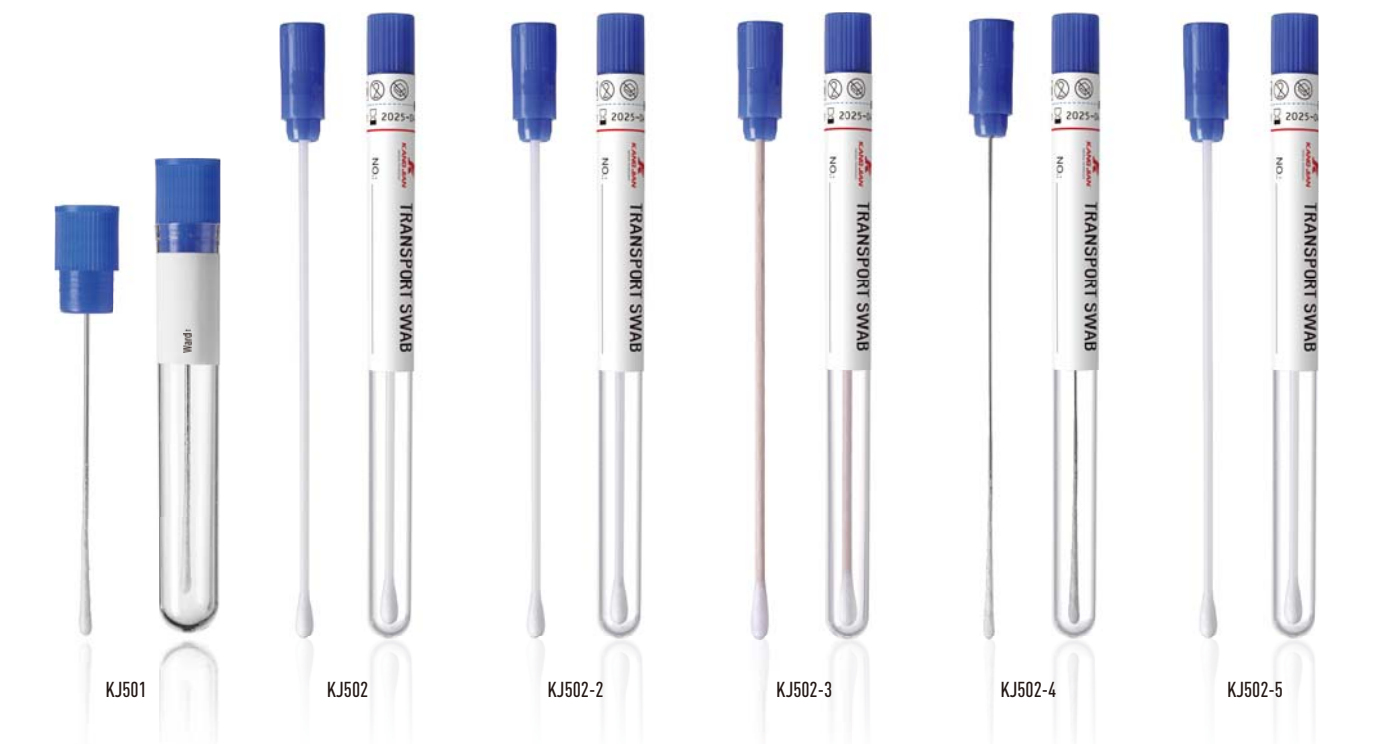
## Transport Swab

### 1. Transport Swab with PS Tube

- ◆ This kind of swab is composed by stainless steel stick, tip and PS sealing tube. The swab tip material is available in superior absorbent cotton, rayon, polyester fiber.
- ◆ Special treatment on the stick makes the tip wrapped on the stick tightly.
- ◆ Adapted to sampling from the parts of urethra and so on.
- ◆ The swabs are manufactured in a Class 100,000 cleanroom in compliance with GMP requirements, under the ISO 13485 quality management system.
- ◆ Sterilized by EO or irradiation, Individual or bulk pack available.

### 2. Transport Swab with PP Tube

- ◆ This kind of swab is composed of collection swab, tip and PP sealing tube. According to different requirements, the swab stick has optional material like wood, PP or PS. The swab tip material is available in superior absorbent cotton, rayon, polyester fiber.
- ◆ Used for sampling from the parts of vagina, urogenital canal, etc.
- ◆ The swabs are manufactured in a Class 100,000 cleanroom in compliance with GMP requirements, under the ISO 13485 quality management system.
- ◆ Sterilized by EO or irradiation, Individual or bulk pack available.



| REF     | MAT                                           |  * |  |  |  | Original REF. |
|---------|-----------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ501   | Stick: Stainless Steel<br>Tip: Rayon Tube: PS | Ø12×87mm                                                                              | 100                                                                                 | 2000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 151-5201      |
| KJ502   | Stick: PS, Tip: Rayon,<br>Tube:PP             | Ø13×168mm                                                                             | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-2201      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-2202      |
|         | Stick: PP, Tip: Rayon,<br>Tube:PP             |                                                                                       | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-3201      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-3202      |
| KJ502-2 | Stick: PS, Tip: Polyeste,<br>Tube:PP          | Ø13×168mm                                                                             | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-2301      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-2302      |
|         | Stick: PP, Tip: Polyester,<br>Tube:PP         |                                                                                       | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-3301      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-3302      |
| KJ502-3 | Stick: Wood, Tip: Cotton,<br>Tube:PP          | Ø13×168mm                                                                             | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-1101      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-1102      |
|         | Stick: Wood, Tip: Rayon,<br>Tube:PP           |                                                                                       | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-1201      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-1202      |
| KJ502-4 | Stick: Stainless Steel<br>Tip: Rayon, Tube:PP | Ø13×168mm                                                                             | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-5201      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-5202      |
| KJ502-5 | Stick: PS, Tip: Cotton,<br>Tube:PP            | Ø13×168mm                                                                             | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-2101      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-2102      |
|         | Stick: PP, Tip: Cotton,<br>Tube:PP            |                                                                                       | 100                                                                                 | 1000                                                                                | Individual Pack, <div>STERILE EO</div> or <div>STERILE R</div>                        | 152-3101      |
|         |                                               |                                                                                       | 100                                                                                 | 2000                                                                                | Bulk Pack, <div>STERILE EO</div> or <div>STERILE R</div>                              | 152-3102      |

\*Typical dimensions for reference only. Actual product may vary.

## Microbiological Swab

- ◆ It can be classified to: Amies medium, Amies with Charcoal, Stuart medium, Stuart with Charcoal, Cary-Blair medium and Cary-Blair with Charcoal.
- ◆ It can supply a best solution for the collection, storage, transportation of the microorganism specimen, whose character and activity can be effectively protected before analysis.
- ◆ It is composed by collection swab and swab tube with medium. According to different requirements, the swab stick has optional material like wood, PP or PS. The swab tip material is available in superior absorbent cotton, rayon, polyester fiber.
- ◆ Adapted to sampling from the parts of pharyngeal, nose, ear, eye, vagina, urogenital canal, skin, intestinal tract etc.
- ◆ The swabs are manufactured in a Class 100,000 cleanroom in compliance with GMP requirements, under the ISO 13485 quality management system, Sterilized by Irradiation.

### 1. Amies Agar Gel Swab:

Used for bacillus coli sampling. Can be stored for 72 hours after collection.

### 2. Stuart Agar Gel Swab:

Used for gonococcus sampling. Can be stored for 72 hours after collection.

### 3. Cary-Blair Agar Gel Swab:

Used for campylobacter jejuni sampling, comma bacillus, salmonella, shigella. Can be stored for 72 hours after collection.



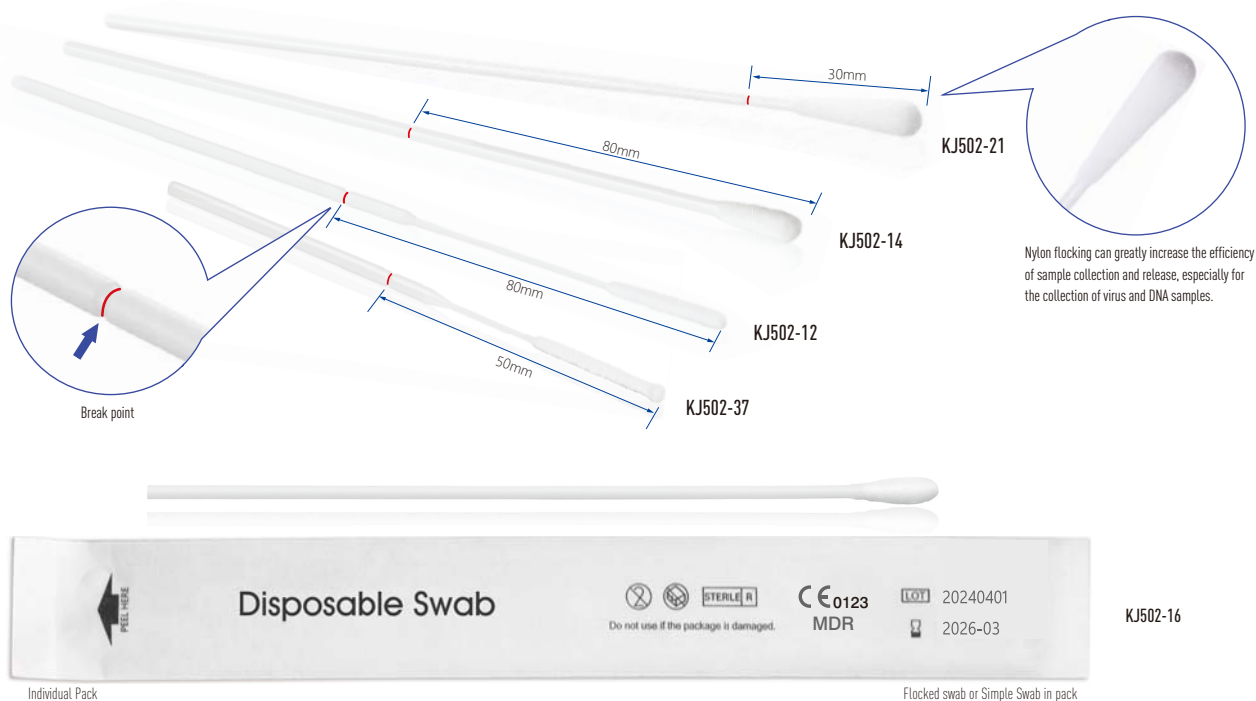
| REF      | MAT                                             | *         |                 |     |                                                                        | Original REF. |
|----------|-------------------------------------------------|-----------|-----------------|-----|------------------------------------------------------------------------|---------------|
| KJ502-7  | Stick:PS / PP<br>Tip:Cotton / Polyester / Rayon | Ø13×178mm | Individual Pack | 800 | Medium: Amies,<br>Individual Pack, <b>STERILE R</b>                    | 154-1001      |
| KJ502-6  | Stick:PS / PP<br>Tip:Cotton / Polyester / Rayon | Ø13×178mm | Individual Pack | 800 | Medium: Amies with Charcoal,<br>Individual Pack, <b>STERILE R</b>      | 154-1101      |
| KJ502-8  | Stick:PS / PP<br>Tip:Cotton / Polyester / Rayon | Ø13×178mm | Individual Pack | 800 | Medium: Stuart,<br>Individual Pack, <b>STERILE R</b>                   | 154-2001      |
| KJ502-9  | Stick:PS / PP<br>Tip:Cotton / Polyester / Rayon | Ø13×178mm | Individual Pack | 800 | Medium: Stuart with Charcoal,<br>Individual Pack, <b>STERILE R</b>     | 154-2101      |
| KJ502-10 | Stick:PS / PP<br>Tip:Cotton / Polyester / Rayon | Ø13×178mm | Individual Pack | 800 | Medium: Cary-Blair,<br>Individual Pack, <b>STERILE R</b>               | 154-3001      |
| KJ502-11 | Stick:PS / PP<br>Tip:Cotton / Polyester / Rayon | Ø13×178mm | Individual Pack | 800 | Medium: Cary-Blair with Charcoal,<br>Individual Pack, <b>STERILE R</b> | 154-3101      |

\*Typical dimensions for reference only Actual product may vary



## Flocked Swab & Simple Swab

- ◆ The simple swab consists of a swab stick and cotton head. The swab stick is made of wood or PS or PP. The cotton head is made of high-quality absorbent cotton, rayon or polyester, which can be customized according to needs.
- ◆ The flocked swab adopts innovative technology of nylon fiber spray implantation to maximize the sampling efficiency of the sampling swab. The nylon fibers are vertically and evenly attached to the surface of the swab head. The upright nylon fibers are like a soft brush to collect more samples. The capillary action between the nylon fibers enhances the capacity of water-based samples, and the samples are concentrated on the surface of the swab, which makes it easier to elute. Outstanding sample collection and release capabilities, capable of quickly adsorbing small amounts of samples, and high efficiency during release. The increase in the number of targeted cells helps to improve the sensitivity of rapid diagnostic tests. It is especially suitable for sample collection of various viruses, RNA/DNA, etc. The swab stick made of ABS has a breaking point design to facilitate sample handling, storage and transportation.
- ◆ The swabs are manufactured in a Class 100,000 cleanroom in compliance with GMP requirements, under the ISO 13485 quality management system.
- ◆ Irradiation sterilization, individual or bulk pack for various options.



| REF      | MAT                                                      | *     |            |            |                                                              | Original REF. |
|----------|----------------------------------------------------------|-------|------------|------------|--------------------------------------------------------------|---------------|
| KJ502-21 |                                                          |       | 500        | 5000       |                                                              | 155-4404      |
| KJ502-14 |                                                          | 150mm | 500        | 5000       | Individual Pack                                              | 155-4405      |
| KJ502-12 | Stick: ABS<br>Tip: Nylon Flocked                         |       | 500        | 5000       | Individual Pack                                              | 155-4406      |
| KJ502-37 |                                                          | 90mm  | 500        | 5000       | Individual Pack                                              | 155-4407      |
| KJ502-16 | Stick: PS / PP / Wood<br>Tip: Cotton / Polyester / Rayon |       | 500        | 5000       | Individual Pack                                              | 155-2301      |
|          |                                                          |       | Customized | Customized | Bulk Pack, <span>STERILE EO</span> or <span>STERILE R</span> | 155-2302      |

\*Typical dimensions for reference only. Actual product may vary.

## Virus Collection and Preservation System

### Description:

Adapted to collection and later separation for virus of flu, Bird flu, Hand-foot and mouth disease, measles etc. It is also adapted to collection and transport for Viruses, such as Chlamydia, Mycoplasma and Ureaplasma specimens. Generally collect specimen from: Oral cavity, throat, nasopharynx, anus etc. System components: Flocked swab, Virus preservation medium and Biohazard bag.

### Product composition:

#### 1. Virus Storage Tube

Tube body and cap are made by medical grade Polypropylene, No deformation after HTHP (121°C, 15min), no embrittlement under low temperature (-196°C). It can bear static extrusion and dynamic impact. Taper bottom design makes it bear centrifugation and shaking. Leakage proof. Non-pyrogenic and DNase/RNase-free.

#### 2. Choose different Sample storage liquid

##### Preservation Medium (Non-inactivated)

The tube contains 3mL-6mL of preservation medium, According to vast test of the influence to cells among Basic liquid, buffer system, protein stabilizer, freezing protective agent, amino acid, etc. We summarize a formula which is most applicable for the virus storage. It can keep a high efficiency for virus storage, and largely increase the positive rate of virus culture. Glass bead inside for easy elution, it can make more microorganism such as virus release to the storage media.

## Virus Collection and Preservation System

◆ Upgraded preservation medium based on international standards has good bacteriostatic performance and efficient storage, which greatly improves the positive rate of virus isolation.

### 1. Preservation Medium

The tube contains 3mL-6mL of preservation medium, with or without Guanidine thiocyanate, this product includes virus lysates and nucleic acid preservation solutions, and mixing it with virus samples to inactivated virus and maintain the integrity of virus nucleic acids at room temperature for 7 days. The collected viral RNA samples can be widely used in gene detection, such as PCR and high-throughput sequencing.

- ◆ Unique media for mutation to inactivates viruses and reduces laboratory infection risk.
- ◆ Preserved nucleic acids of inactivated virus samples for up to 7 days at room temperature (Cold chain transportation is not necessary).
- ◆ Reduce false negatives results (Avoid RAN degradation, without affecting PCR system).
- ◆ Extraction-free inactivated type is also available (Preservation solution can be directly used as a template for RT-PCR).

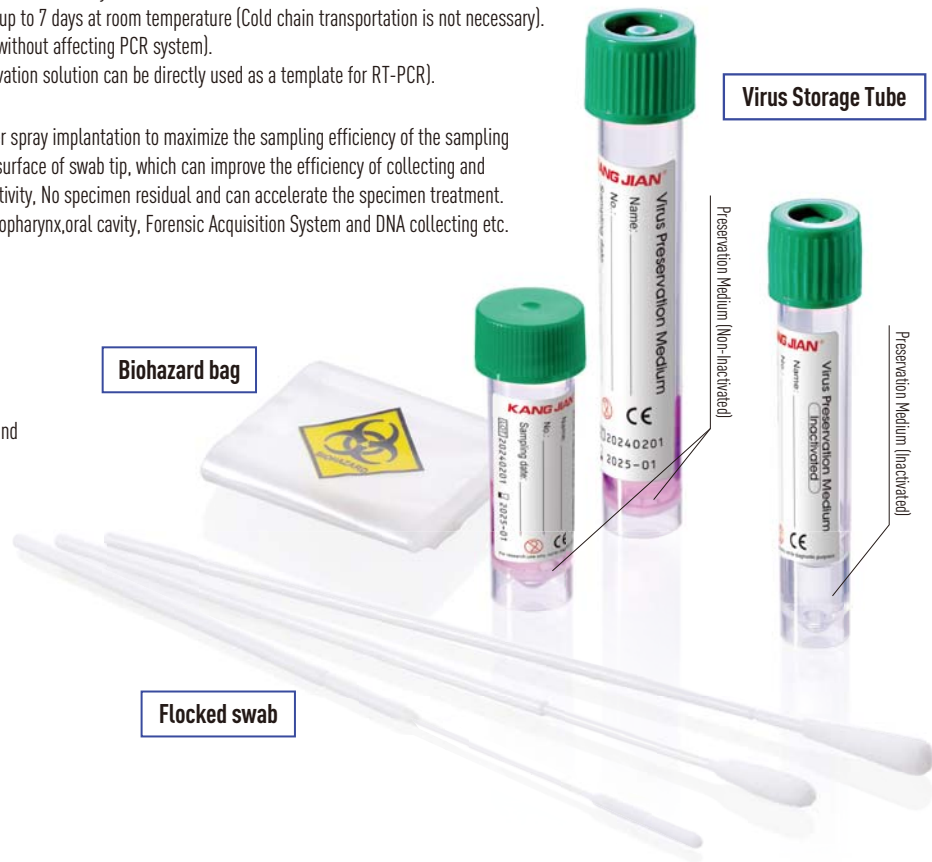
### 2. Flocked swab

The flocked swab adopts innovative technology of nylon fiber spray implantation to maximize the sampling efficiency of the sampling swab. The nylon is adhered vertically and uniformly on the surface of swab tip, which can improve the efficiency of collecting and releasing cells and liquid samples. Improve analytical sensitivity, No specimen residual and can accelerate the specimen treatment. ABS sticker is easy to break off. Adapted to cervix uteri, nasopharynx, oral cavity, Forensic Acquisition System and DNA collecting etc. Individual packed.

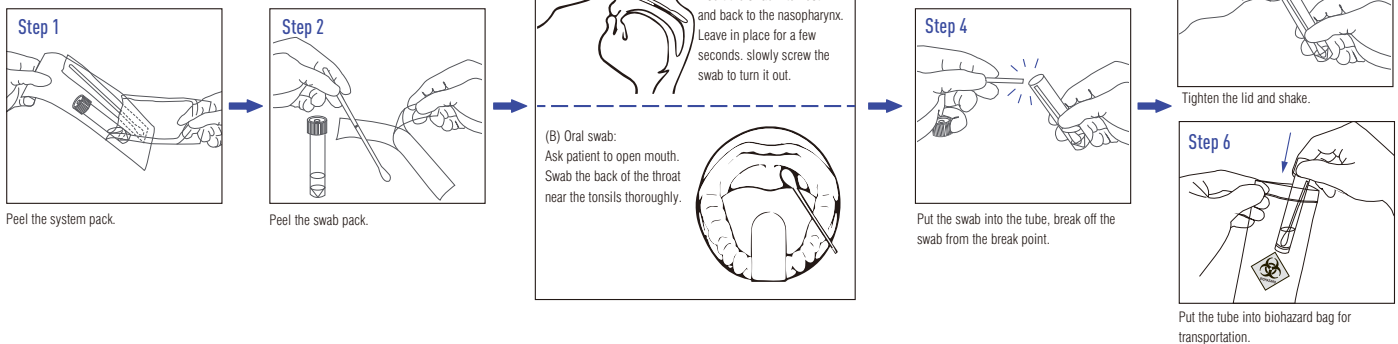
- ◆ Higher sampling rate.
- ◆ Faster and complete release of samples.
- ◆ Enhance the sensitivity of diagnosis.
- ◆ Easy breakpoint design.

### 3. Biohazard bag

The sampling tube containing virus samples will be stored and transported in the biohazard bag to ensure the safety of medical examination.



### How to use :



| REF      | Tube Type | MAT                                          | Swab Type                        | Preservation Medium                                                                  | i                                                                                                                    | Original REF. |
|----------|-----------|----------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------|
| KJ502-33 | 5mL       |                                              | Customized:                      | 1mL-3mL                                                                              | Sampling tubes, Preservation medium, swab specifications and quantities can all be flexibly combined and customized. | 156-050       |
| KJ502-34 | 7mL       | Tube: PP<br>Stick: ABS<br>Tip: Nylon Flocked | KJ502-21<br>KJ502-14<br>KJ502-12 | Options:<br>Inactivated, non-inactivated,<br>w/ guanidine salt or w/o guanidine salt |                                                                                                                      | 156-070       |
| KJ502-23 | 10mL      |                                              |                                  |                                                                                      |                                                                                                                      | 156-100       |





## Surface Microbiology Sampling Tube

- ◆ KANGJIAN Surface Microbiology Sampling Tubes (pre-filled 0.85% saline with neutralizer) are mainly used for the collection of microorganisms (including viruses) on the surface of environmental object surface, applicable to various industry like cold chain, catering industry, hospital sensory control and public health monitoring, etc.
- ◆ Sampling tubes containing neutralizing agents can effectively neutralize disinfectant residues on the surface of objects. It can neutralize not only quaternary ammonium disinfectants, but also single disinfectants such as alcohols, phenols, aldehydes, peroxides, chlorine-containing, iodine-containing and compound disinfectants with no more than 3 disinfectant substances. It guarantees bacteria and viruses in the sample to be detected successfully.
- ◆ Swabs with polyester sponge swab heads have significantly higher collection efficiency and release rates than conventional swabs. The large swab head, having a large contact area with the sample surface, allows for shorter collection times.
- ◆ PP material sampling tube body is resistant to high-strength extrusion impact, resistant to  $-80^{\circ}\text{C}\sim+121^{\circ}\text{C}$ . The safety anti-leakage cap matches tightly with the tube, and guarantees leak-proof.

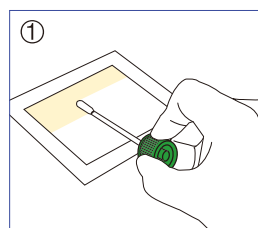


| REF      |      | *         |                                        |                                           | STERILE   |        |             | Original REF. |
|----------|------|-----------|----------------------------------------|-------------------------------------------|-----------|--------|-------------|---------------|
| KJ502-35 | 10mL | Ø16×100mm | Tube:PP<br>Swab head: Polyester sponge | 3.5mL, 0.85% saline<br>(with neutralizer) | STERILE R | 50 PCS | 500 PCS/BOX | 158-1001      |

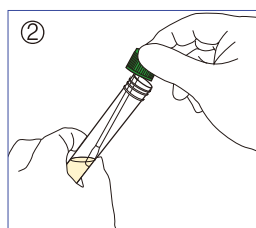
\*Typical dimensions for reference only. Actual product may vary.

### How to use:

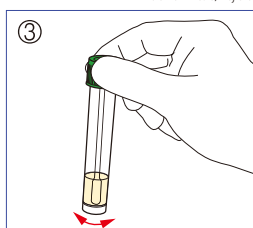
**Notes on use:** The tubes are recommended to be delivered to the laboratory for testing within 2 hours after sampling, allowing for transportation at room temperature 4-26°C. If more than 2 hours, they should be shipped at 2-8°C and tested within 24 hours. Positive rates will be reduced when samples tested beyond 24 hours.



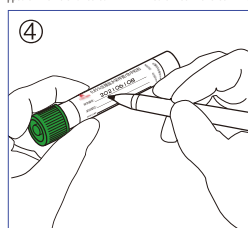
Select a certain size area to be examined, open the screw cap, and sample by placing the sponge swab at 30° to the surface, and cross-smear the swab for twice.



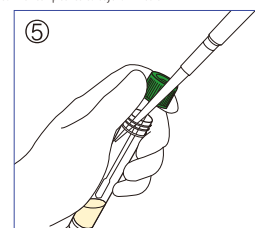
Place the swab back into the tube and screw the cap on tightly.



Multiple shaking and mixing to fully elute the collected microorganisms into saline containing neutralizing agent.

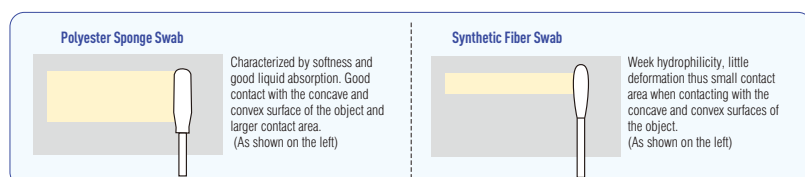


Mark the sampling information on the tube label, including: sampling number, sampling area, sampling site, sampling date, etc.

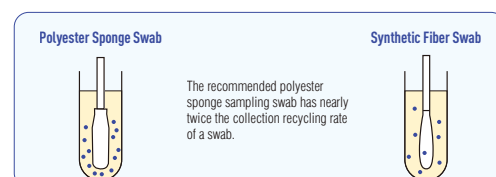


Take 1mL of sample solution for colony culture, or an appropriate amount of sample solution for viral RNA detection.

### Swab collection efficiency comparison:



### Sample recovery efficiency comparison:





**Surface Microbiology Sampling Sponge**

- ◆ This product is a blue polyester sponge pre-wetted with 0.9% normal saline or neutralizing buffer. It is mainly used for the sampling and detection of microorganisms (such as Salmonella, Listeria, Escherichia coli, etc.) on the surfaces of carcasses in slaughterhouses, food processing equipment, cold chain warehouses and other environmental surfaces.
- ◆ Made of polyester sponge material with strong water absorption and low linting tendency. Pre-wetting eliminates on-site solution preparation, improving sampling efficiency and standardization. The blue sponge facilitates visual inspection for residues.
- ◆ The sponge is pre-wetted with 10mL of liquid, with two mainstream formulations:
  - A) 0.9% normal saline, commonly used for routine microbial sampling of carcasses;
  - B) Neutralizing buffer, often used on surfaces of environments or equipment with disinfectant residues, which can neutralize quaternary ammonium salts, chlorine, etc., and protect microorganisms.
- ◆ Individually packaged in a self-sealing sampling bag, sterilized by irradiation with a sterility assurance level (SAL) of 10<sup>-6</sup>.



KJ502-40



Special self-sealing bag  
Sterile packaging

| REF      |  |  |  Pre-wetting Solution |  |  | Original REF. |
|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ502-40 | 60×80×3mm                                                                           | Polyester Sponge                                                                    | 10mL of 0.9% normal saline or neutralizing buffer                                                        | 1                                                                                     | 200                                                                                   | 158-1002      |

\*Typical dimensions for reference only. Actual product may vary.



## ATP Detection Swab

- ◆ ATP Bioluminescence Detection uses a biochemical reaction method for determining ATP content, utilizing the efficient "luciferase-luciferin system" for swift adenosine triphosphate (ATP) detection.
- ◆ Each ATP swab is infused with reagents capable of lysing cell membranes to release ATP contained within cells. This released ATP reacts with specific enzymes present in the reagent, producing luminescence measured by a luminometer. The amount of light emitted is directly proportional to the microbes quantity. Given that all living cells contain a constant amount of ATP, the level of ATP serves as a clear indicator of microbial and biological residue presence in the sample, offering a reliable measure of sanitary conditions.
- ◆ Designed for compatibility with ATP bioluminescence detector, our ATP detection swabs are extensively employed across a variety of fields for on-site testing. These applications include bacterial and microbial detection, healthcare, food safety, regulatory enforcement, surface cleanliness assessment, medical epidemic prevention, water quality evaluation, hygiene monitoring in production lines, industrial water treatment, environmental surveys, and customs and quarantine inspections at borders.



How to use



| REF      | *         | MAT                                          |    |     | Original REF. |
|----------|-----------|----------------------------------------------|----|-----|---------------|
| KJ502-36 | Ø13×167mm | Tube: PET<br>Tip: Polyester or nylon flocked | 20 | 200 | 159-1001      |

\*Typical dimensions for reference only. Actual product may vary

|                                |                                              |                               |                                                  |
|--------------------------------|----------------------------------------------|-------------------------------|--------------------------------------------------|
| <b>Product Name:</b>           | J-4 ATP Bioluminescence Detection            | <b>USB Port:</b>              | Mini-USB port for uploading test results to a PC |
| <b>Detection Precision:</b>    | 1.0×10 <sup>-14</sup> mol                    | <b>Data Display:</b>          | LCD screen                                       |
| <b>Detection Range:</b>        | 0-999999 RLU                                 | <b>Power Supply:</b>          | Rechargeable lithium-ion battery, 3 Ah           |
| <b>ATP Recovery Rate:</b>      | 90-110%                                      | <b>Detection Modes:</b>       | RLU, Coliform-bacteria screening                 |
| <b>Power-on Self-test:</b>     | 30 Seconds (Built-in self-calibrating light) | <b>Operating Environment:</b> | Temperature 5-40°C, Ambient humidity 20-85%      |
| <b>Detection time:</b>         | 15 Seconds                                   | <b>Processor:</b>             | 32-bit High-speed CPU                            |
| <b>Detection Interference:</b> | ±5% or ±5 RLU                                | <b>Dimensions:</b>            | 188×77×37mm (L×W×H)                              |
| <b>Coliform Bacteria:</b>      | 1-106 cfu                                    | <b>Weight:</b>                | 260g                                             |

## Cervix Sampler

- ◆ Cervical sampler is a single-use sampling device dedicated to gynecological cervical screening, such as TCT / liquid-based cytology and HPV testing. It is used for non-invasive collection of cervical exfoliated cells. Featuring simple operation and high sampling yield, it serves as a key tool for early cervical cancer screening.
- ◆ The cervical brush is manufactured from medical-grade ABS or PP, nylon filaments or low-density polyethylene (LDPE) in compliance with biosafety standards. Production is carried out in a Class 100,000 cleanroom under the ISO 13485 and GMP medical device quality management systems.
- ◆ The length and shape of the sampling head are anatomically designed for the cervix. With a soft texture and high bristle density, it enables comprehensive sampling to obtain more tissue samples while causing minimal damage to human tissue.
- ◆ The product complies with the international standard ISO 10993 for biological evaluation of medical devices, ensuring biocompatibility upon human contact and avoiding risks such as toxicity, sensitization, inflammation, carcinogenicity and genotoxicity.
- ◆ Individually packaged in paper-plastic or blister packs to prevent contamination.
- ◆ Sterilized by EO, achieving a sterility assurance level (SAL) of  $10^{-6}$ .



| REF      | MAT                                                 |       |      | Breakpoint Position |      |                         |  | Original REF. |
|----------|-----------------------------------------------------|-------|------|---------------------|------|-------------------------|--|---------------|
| KJ502-18 | Stick: ABS or PP                                    | 170mm | 52mm | 100                 | 1000 | Individually sterilized |  | 157-4501      |
| KJ502-38 | Tip: Medical grade stainless steel +Nylon filaments | 185mm | 68mm | 100                 | 1000 |                         |  | 157-4503      |
| KJ502-15 |                                                     | 190mm | -    | 100                 | 1000 |                         |  | 157-4502      |
| KJ502-13 |                                                     | 200mm | -    | 200                 | 2000 |                         |  | 157-3601      |
| KJ502-20 | Stick: PP Tip: LDPE                                 | 200mm | -    | 200                 | 2000 |                         |  | 157-3603      |
| KJ502-19 |                                                     | 200mm | -    | 200                 | 2000 |                         |  | 157-3602      |

\*Typical dimensions for reference only. Actual product may vary.



Individually sterilized



## Cervix Sampling Set

This set is composed by cervix sampler, sampling tube and cell storage liquid. It's mainly used for inspection of cast-off cells of cervix, hydrothorax and ascite inspection, urinary sediment test, needle aspiration cell inspection. Especially for the early diagnostic of women cervical cancer.

### ◆ Sampling tube:

The tube and cover were made by PP material, autoclavable (121°C, 15 minutes). It can withstand extrusion and strike. Taper design on the bottom to withstand shaking and centrifugation. Sample storage medium was preset inside the tube, leakage proof.

### ◆ Sample storage medium:

The HPV cell storage liquid can inhibit the growing of bacteria. It can keep the integrity of nucleic acid and keep the shape of cells.

### ◆ Cervix sampler:

The material of the brush for cervix sampler is Nylon, which is very soft material, the diameter is 0.05mm, it makes the brush can take enough cell samples from the cervix uteri. The sticker of the cervix sampler is made by ABS, a break-point allows for easier snapping of the stick. No small fragment exists when breaking off the stick.

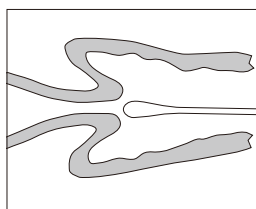
◆ Packaged in internationally common paper-plastic or blister packaging, sterilized by irradiation with a sterility assurance level (SAL) of  $10^{-6}$ .



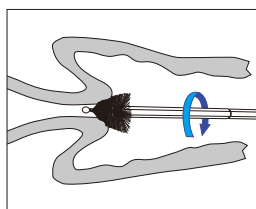
Individual Pack

| REF      | MAT Cervix Sampler                                  | MAT Sampling Tube         |                                  |    |     |                                              | Original REF. |
|----------|-----------------------------------------------------|---------------------------|----------------------------------|----|-----|----------------------------------------------|---------------|
| KJ502-22 | Stick: PP<br>Tip: Stainless steel + Nylon filaments | PP + HPV Storage solution | Sampler: 185mm<br>Tube: Ø16×75mm | 48 | 480 | Individual Pack<br>Sterilized by irradiation | 158-0001      |

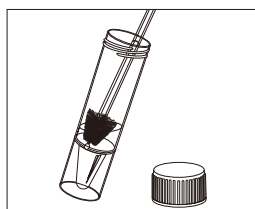
\*Typical dimensions for reference only. Actual product may vary.



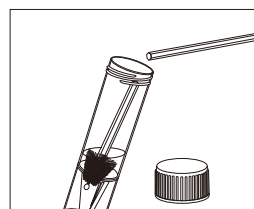
① Prior to use, gently wipe excess secretions from the cervix os using a cotton swab.



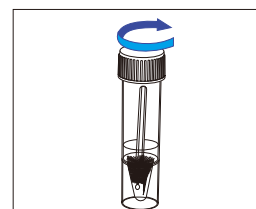
② Insert the cervical sampling brush into the cervical os at the squamocolumnar junction, and rotate 3-5 revolutions clockwise or counterclockwise.



③ Withdraw the cervical sampling brush slowly and place it into the sampling tube containing cell preservation solution.



④ Break the handle at the breakpoint along the opening of the sampling tube, leaving the brush head in the tube.



⑤ Tighten the tube cap, label with identification number and date, and submit for testing.



# BIOLOGICAL CULTURE VESSEL

# 04



|                     |       |
|---------------------|-------|
| → Petri Dish        | 45-46 |
| → Multi Well Plate  | 47-48 |
| → Inoculating Loops | 49    |
| → Cell Spreader     | 50    |
| → Cell Lifter       | 51    |





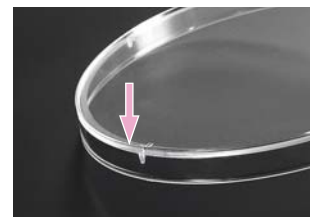


## Petri Dish

- Cell culture dishes are used for the handling, stacking and transport of laboratory cell culture. The polystyrene inner wall with TC surface treatment features excellent hydrophilicity, facilitating adherent cell growth, while non-surface treated dishes are suitable for suspension cell culture.
- Made of medical-grade polystyrene (PS) complying with USP Plastic Class VI standards. No release agents, plasticizers or bacteriostats are added during production, and no heavy metal ions are contained, ensuring excellent biocompatibility of the product.
- Multiple specifications available: Ø35, Ø55, Ø60, Ø70, Ø90, Ø100, Ø150, etc.
- Flat and smooth dish bottom without distortion enables more accurate quantitative analysis.
- Gear ring design on the dish side facilitates handling and reduces contamination.
- Vent ridges inside the dish lid ensure sterility while facilitating gas exchange.
- Annular flanges on the lid fit well with the bottom, allowing stable multi-layer stacking.
- DNase-free, RNase-free, pyrogen-free and non-cytotoxic.
- Sterilized by EO or Radiation, achieving a sterile assurance level of SAL=10<sup>-6</sup>.
- Three packaging methods are available for selection: Single of paper plastic, Single of plastic bag, Multiple of plastic bag.



Multiple packaging type



Raised dots on the inner lid allow gas exchange in the culture dish.



The annular ribs on the side facilitate handling and minimize contamination.

KJ503

KJ504

KJ505

KJ506

KJ506-1

KJ506-2

KJ506-3

KJ507

| REF     | MAT |                            | H*     | *             |    |      |                               | Original REF. |
|---------|-----|----------------------------|--------|---------------|----|------|-------------------------------|---------------|
| KJ503   | PS  | Ø35mm                      | 13mm   | ≈3.53g        | 20 | 2300 |                               | 161-0351      |
| KJ504   | PS  | Ø60mm                      | 15mm   | ≈7.58g        | 26 | 1040 |                               | 161-0601      |
| KJ505   | PS  | Ø70mm                      | 15mm   | ≈10g          | 20 | 720  |                               | 161-0701      |
| KJ506   | PS  | Ø90mm                      | 15mm   | ≈14g / ≈15.3g | 20 | 500  | STERILE EO<br>or<br>STERILE R | 161-0901      |
| KJ506-1 | PS  | Ø90mm (Anti-sliding tooth) | 21mm   | ≈19.47g       | 20 | 500  |                               | 161-0904      |
| KJ506-2 | PS  | Ø90mm (Radian Design)      | 13.8mm | ≈13.7g        | 20 | 500  |                               | 161-0905      |
| KJ506-3 | PS  | Ø60mm (Anti-sliding tooth) | 16mm   | ≈7.8g         | 26 | 1040 |                               | 161-0602      |
| KJ507   | PS  | Ø150mm                     | 20mm   | ≈47g          | 20 | 120  |                               | 161-1501      |

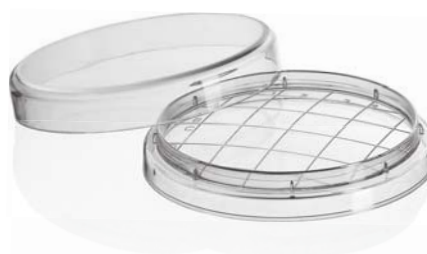
\*Relevant parameters are for reference only. Actual product may vary.



## Petri Dish


**KJ508**

**KJ509**

**KJ508-1**

**KJ508-2**

**KJ508-5**

| REF            | MAT |  |  H * |  * |  |  |  |  | Original REF.   |
|----------------|-----|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
| <b>KJ508</b>   | PS  | Ø90mm                                                                               | 17mm                                                                                    | ≈15.5g                                                                                | Two-Compartment                                                                     | 20                                                                                   | 500                                                                                   |                                                                                       | <b>161-0906</b> |
| <b>KJ509</b>   | PS  | Ø90mm                                                                               | 16mm                                                                                    | ≈17.5g                                                                                | Three-Compartment                                                                   | 20                                                                                   | 500                                                                                   |                                                                                       | <b>161-0907</b> |
| <b>KJ508-1</b> | PS  | Ø65mm                                                                               | 16mm                                                                                    | ≈9.83g                                                                                | With Grid                                                                           | 25                                                                                   | 1200                                                                                  | <div>STERILE EO</div> or <div>STERILE R</div>                                         | <b>161-0651</b> |
| <b>KJ508-2</b> | PS  | Ø55mm                                                                               | 16mm                                                                                    | ≈9.86g                                                                                | RODAC Dish                                                                          | 20                                                                                   | 960                                                                                   |                                                                                       | <b>161-0551</b> |
| <b>KJ508-5</b> | PS  | Ø75mm                                                                               | 23mm                                                                                    | ≈18g                                                                                  | Air Plate                                                                           | 10                                                                                   | 400                                                                                   |                                                                                       | <b>161-0751</b> |

\*Relevant parameters are for reference only. Actual product may vary.

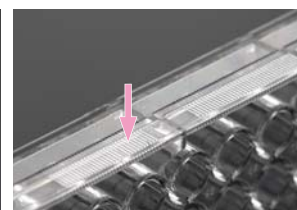


## Multi Well Plate

- Cell culture plates are used for laboratory cell culture and post-culture analytical experiments, including cell transfection, immunofluorescence, clone formation, etc.
- Manufactured from medical-grade polystyrene (PS) conforming to USP Plastic Class VI standards. No release agents, plasticizers or bacteriostats are added during production, and no heavy metal ions are contained, ensuring excellent biocompatibility.
- Non-treated surfaces are suitable for suspension cell culture, while TC-treated inner walls provide better cell adhesion.
- Various well formats available: 6-well, 12-well, 24-well, 48-well, 96-well. Usually transparent plates. Dimensions comply with ANSI-SBS standards.
- According to bottom shape, cell culture plates are classified into flat bottom, U-bottom and V-bottom.
- The lid design promotes gas exchange while reducing evaporation and the risk of contamination.
- Raised well rims prevent cross-contamination. Alphabetical and numerical coordinates enable easy identification.
- Stackable design saves space and keeps the laboratory organized.
- DNase-free, RNase-free, pyrogen-free and non-cytotoxic.
- Sterilized by EO or irradiation, achieving a sterility assurance level of SAL =  $10^{-6}$ .



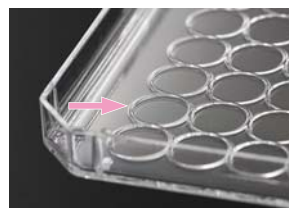
The unique Slant corner design ensures the lid in single direction and avoids cross contamination.



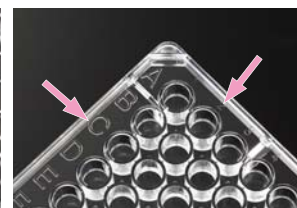
Raised well rims prevent cross contamination.



Flange design for the wells prevents cross contamination.

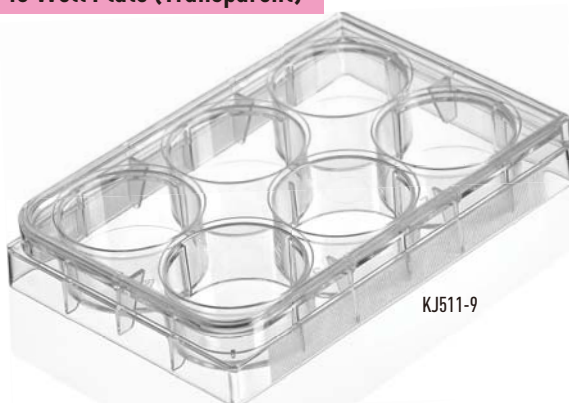


Convex ring on the lid inner side can prevent the medium from being evaporated or polluted.

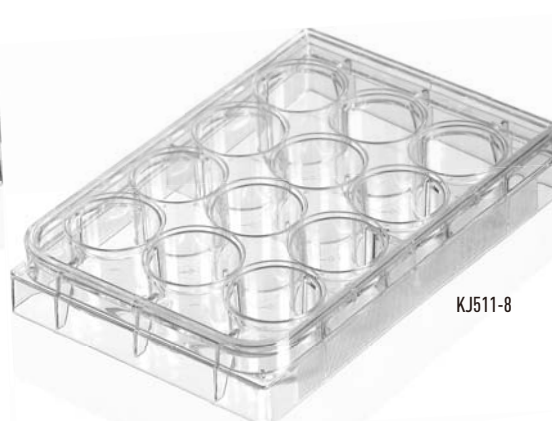


Clear coordinate makes the operation more convenient.

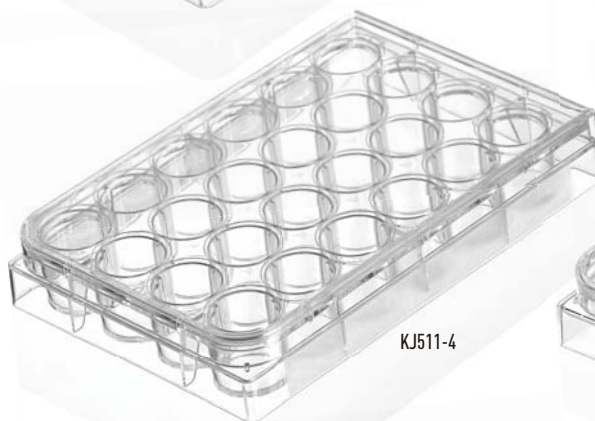
### 6/12/24/48 Well Plate (Transparent)



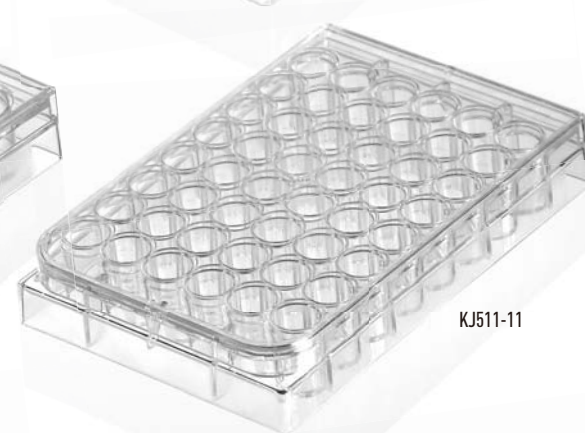
KJ511-9



KJ511-8



KJ511-4



KJ511-11

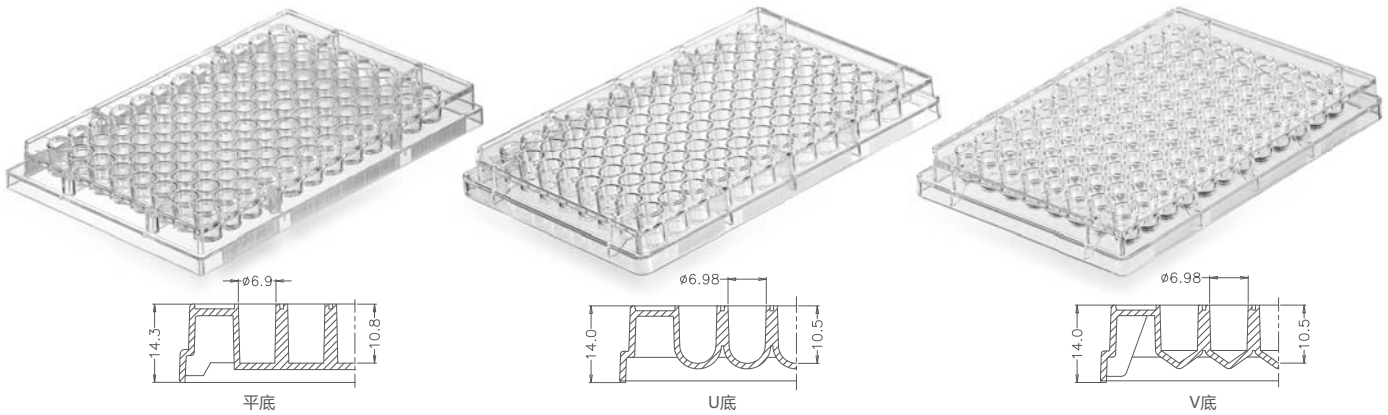
| REF      | MAT |                       | *           |     |     |                                                              | Original REF. |
|----------|-----|-----------------------|-------------|-----|-----|--------------------------------------------------------------|---------------|
| KJ511-9  | PS  | 6 Wells, Flat Bottom  | 127×85×23mm | 100 | 200 |                                                              | 162-0061      |
| KJ511-8  | PS  | 12 Wells, Flat Bottom | 127×85×23mm | 100 | 200 | Individual Pack                                              | 162-0121      |
| KJ511-4  | PS  | 24 Wells, Flat Bottom | 127×85×23mm | 100 | 200 | STERILE EO or STERILE R<br>Customizable TC surface treatment | 162-0241      |
| KJ511-11 | PS  | 48 Wells, Flat Bottom | 127×85×23mm | 100 | 200 |                                                              | 162-0481      |

\*Typical dimensions for reference only. Actual product may vary.



## Multi Well Plate

### 96 Well Plate (Transparent)

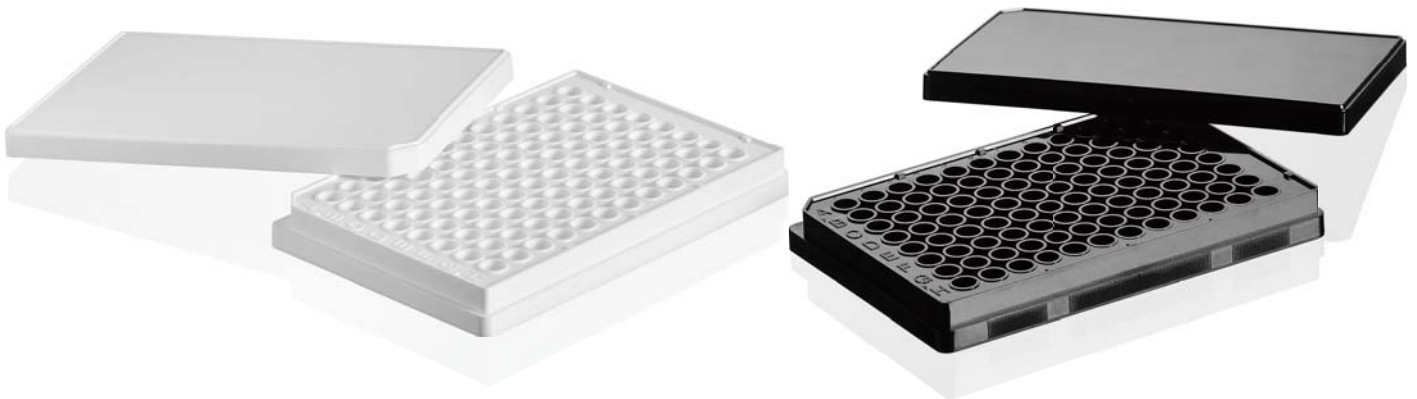


| REF      | MAT |                       |             |     |     |                                   | Original REF. |
|----------|-----|-----------------------|-------------|-----|-----|-----------------------------------|---------------|
| KJ511-3  | PS  | 96 Wells, Flat bottom | 128×85×16mm | 100 | 200 | Individual Pack                   | 162-0961      |
| KJ511-24 |     | 96 Wells, U bottom    |             | 100 | 200 | STERILE EO or STERILE R           | 162-0962      |
| KJ511-25 |     | 96 Wells, V bottom    |             | 100 | 200 | Customizable TC surface treatment | 162-0963      |

\*Typical dimensions for reference only. Actual product may vary.

### 96 Well Plate (Black & White)

○ Black plates absorb scattered and reflected light to lower background noise and reduce well-to-well crosstalk, ideal for fluorescence detection. White plates reflect and amplify light signals with reduced crosstalk, recommended for chemiluminescence applications.



| REF      | MAT |                               |             |     |     |                                                              | Original REF. |
|----------|-----|-------------------------------|-------------|-----|-----|--------------------------------------------------------------|---------------|
| KJ511-13 | PS  | 96 Wells, White, Luminescence | 128×85×16mm | 100 | 200 | Individual Pack                                              | 162-0964      |
| KJ511-26 |     | 96 Wells, Black, Fluorescence |             | 100 | 200 | STERILE EO or STERILE R<br>Customizable TC surface treatment | 162-0965      |

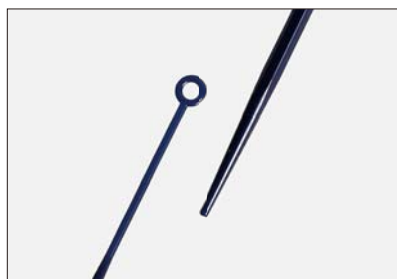
\*Typical dimensions for reference only. Actual product may vary.



## Inoculating Loops

KANGJIAN® Disposable Inoculating Loops and Needles are manufactured from medical-grade High Impact Polystyrene (HIPS). Complying with USP plastic class VI standards, They are mainly used for inoculation, transfer and cultivation of microorganisms, with excellent biocompatibility and chemical stability. The surface is specially treated to be hydrophilic, making them ideal for microbial inoculation.

- HIPS (High Impact Polystyrene) is a thermoplastic resin synthesized from polystyrene (PS) and polybutadiene. It features excellent flexibility, high impact resistance and good abrasion resistance.
- The inoculating loop has a smooth rim, enabling easy streaking on agar plates without damaging the culture medium surface.
- The inoculating needle features a slim, flexible and bendable shaft, suitable for operations in narrow or specially shaped containers.
- DNase/RNase-free, pyrogen-free, endotoxin-free, non-cytotoxic, and free from inhibitors and heavy metal contamination.
- Sterilized by EO or gamma irradiation, with a sterility assurance level of SAL =  $10^{-6}$ .
- Supplied in easy-tear paper-plastic packaging, either individually or in multi-unit packs.



The flexible inoculation head minimizes damage to microorganisms. Dual-function needle and loop design serves two purposes in one tool for more convenient operation.



Individually and multi-packed sterile paper-plastic packaging.

KJ509-1

KJ510-7

KJ510-8

KJ510-9

| REF     | MAT  |                   |       |                      |      |                               | Original REF. |
|---------|------|-------------------|-------|----------------------|------|-------------------------------|---------------|
| KJ509-1 | HIPS | Needle Type       | 225mm | Individual Pack      | 4000 | Color customization available | 167-0011      |
|         |      |                   |       | 5/10/20 pcs per Pack | 4000 |                               | 167-0012      |
| KJ510-7 | HIPS | 1ul dual-purpose  | 198mm | Individual Pack      | 4000 |                               | 167-0121      |
|         |      |                   |       | 5/10/20 pcs per Pack | 4000 |                               | 167-0122      |
| KJ510-8 | HIPS | 10ul dual-purpose | 200mm | Individual Pack      | 4000 |                               | 167-1021      |
|         |      |                   |       | 5/10/20 pcs per Pack | 4000 |                               | 167-1022      |
| KJ510-9 | HIPS | 1ul dual-purpose  | 198mm | Individual Pack      | 4000 |                               | 167-0131      |
|         |      |                   |       | 5/10/20 pcs per Pack | 4000 |                               | 167-0132      |

\*Typical dimensions for reference only. Actual product may vary.





## Cell Spreader

Cell scrapers are made of medical-grade high impact polystyrene (HIPS) or polypropylene (PP) complying with USP plastic class VI standards with excellent biocompatibility. They are mainly used for harvesting, passaging and transferring adherent cells.  $\Delta$ , T and L-shaped designs are available to suit different culture vessels.

- The scraper head is straight with a smooth, rounded surface, greatly minimizing cell damage and ensuring uniform spreading.
- DNase/RNase-free, pyrogen-free, endotoxin-free, non-cytotoxic, and free of inhibitors and heavy metal contamination.
- Sterilized by EO or irradiation, achieving a sterility assurance level of SAL =  $10^{-6}$ .
- Packaged in easy-tear paper-plastic packaging, either individually or in multi-unit packs.



The scraper tip is round and smooth to minimize cell damage.



Packaged in individual or multi-pack paper-plastic packaging.



| REF      | MAT  | Scraper Tip * | *     |                          |      |                                               | Original REF. |
|----------|------|---------------|-------|--------------------------|------|-----------------------------------------------|---------------|
| KJ511-1  | HIPS | 30mm          | 148mm | Individual Pack          | 2500 | <div>STERILE EO</div> OR <div>STERILE R</div> | 168-0011      |
|          |      |               |       | 5 / 10 / 20 pcs per Pack | 2500 |                                               | 168-0012      |
| KJ511-2  | HIPS | 32mm          | 182mm | Individual Pack          | 4000 |                                               | 168-0021      |
|          |      |               |       | 5 / 10 / 20 pcs per Pack | 4000 |                                               | 168-0022      |
| KJ511-12 | PP   | 40mm          | 160mm | Individual Pack          | 3000 |                                               | 168-0033      |
|          |      | 46mm          | 240mm | Individual Pack          | 3000 |                                               | 168-0043      |

\*Typical dimensions for reference only. Actual product may vary.





## Cell Lifter

This product is mainly used for harvesting adherent cells from cell culture flasks, dishes or plates while minimizing mechanical damage to cells. It is suitable for experimental research in cell biology, immunology, molecular biology, etc., and can also be used for cell harvesting prior to experiments such as RNA, DNA and protein extraction.

- The cell lifter blade is made of medical-grade thermoplastic elastomer (TPE) or polypropylene (PP), with excellent biocompatibility. The soft and flexible TPE blade ensures minimal harm to cells.
- The lifter angle is adjustable to maintain an optimal scraping angle and reach all vessel surfaces where cells grow.
- The product is pyrogen-free, non-cytotoxic, DNase/RNase-free, and free of heavy metals, fluorescent brighteners and other contaminants, meeting the requirements for cell culture and molecular biology experiments.
- Sterilized by EO or irradiation, achieving a sterility assurance level of SAL =  $10^{-6}$ .



The blade heads are available in different widths and are soft and elastic.



Blade angle is fully adjustable to maintain optimal scraping operation.



Individual Pack



| REF     | MAT                   | L*    | Blade Head* |                 |     |      |                         | Original REF. |
|---------|-----------------------|-------|-------------|-----------------|-----|------|-------------------------|---------------|
| KJ510-3 | PP                    | 150mm | 20mm        | Individual Pack | 100 | 1000 |                         | 169-0111      |
| KJ510-5 | PP                    | 215mm | 10mm/20mm   | Individual Pack | 100 | 1000 |                         | 169-0121      |
| KJ510-1 | Blade:TPE<br>Stick:PP | 180mm | 20mm        | Individual Pack | 100 | 1000 |                         | 169-0211      |
| KJ510-2 | Blade:TPE<br>Stick:PP | 250mm | 20mm        | Individual Pack | 100 | 1000 | STERILE EO or STERILE R | 169-0221      |
| KJ510-4 | Blade:TPE<br>Stick:PP | 250mm | 13mm        | Individual Pack | 100 | 1000 |                         | 169-0311      |
| KJ510-6 | Blade:TPE<br>Stick:PP | 300mm | 20mm        | Individual Pack | 100 | 1000 |                         | 169-0321      |

\*Typical dimensions for reference only. Actual product may vary.

# ART AND IVF

# 05



|                                                       |       |
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## Introduction to ART and IVF

Assisted Reproductive Technology (ART) mainly refers to In Vitro Fertilization (IVF), which is used to help infertile couples conceive, also known as test-tube baby. The oocytes and sperm are removed and placed in a test tube to fertilize them, and then the fertilized ovum is transferred back to the mother's uterus to develop into a fetus. IVF Petri dishes and culture plates are suitable for the collection of sperm and eggs and preparation of embryos during the IVF process. Specific applications include the preparation and cultivation of spermatozoa or embryos in vitro, gamete intrafallopian transfer (GIFT), intracytoplasmic sperm injection (ICSI), holding of oocytes and spermatozoa during fertilization, or other in vitro reproductive processes, etc.

**1**

Mature oocyte production

**2**

Remove oocytes from the ovary

**3**

Sperm supply

**4**

Oocytes and sperm are fertilized and incubated in IVF dish with manual intervention

**5**

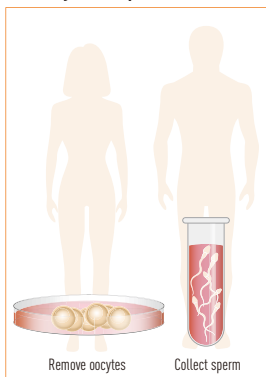
Fertilized oocyte (or embryo/blastocyst) implanted in the uterus

(Note: The above graphic is for reference only. If any doubt, please refer to the authoritative interpretation.)

## IVF Key Processes

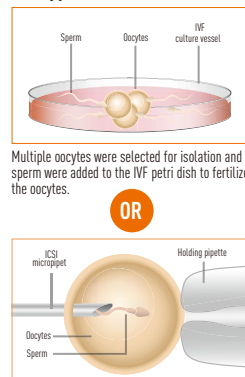
**Step 1**

Oocyte and sperm collection



**Step 2**

Two types of in vitro fertilization



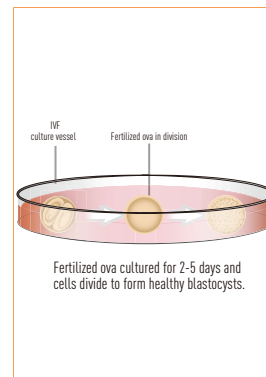
Multiple oocytes were selected for isolation and sperm were added to the IVF petri dish to fertilize the oocytes.

OR

Another type of fertilization: the process of fertilization through intracytoplasmic sperm injection (ICSI), single sperm injection directly into an oocyte.

**Step 3**

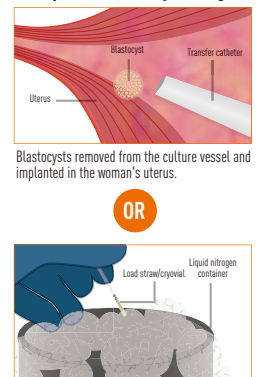
Fertilized ovum culture



Fertilized ova cultured for 2-5 days and cells divide to form healthy blastocysts.

**Step 4**

Implantation or cryostorage



Blastocysts removed from the culture vessel and implanted in the woman's uterus.

OR

Oocytes, sperms or blastocysts may be cryopreserved for later use.

(Note: The above graphic is for reference only. If any doubt, please refer to the authoritative interpretation.)

## IVF Related Consumables



IVF Special petri dish/Multi-well plate



Micromanipulation pipette



Sperms/Oocytes collection container/Vessel



Sperms/Oocytes/Embryo Cryovial



## IVF Petri Dish & Multi-well Dish

- KANGJIAN series of culture dishes for assisted reproduction are manufactured from medical-grade polystyrene in Class 100,000 cleanrooms. These products are intended for the in vitro handling, culture, and storage of human gametes and embryos.
- Following rigorous testing and evaluation, this product series (culture dishes and multi-well dishes) has obtained the Medical Device Registration Certificate of the People's Republic of China (Class II).
- The products have undergone a full set of third-party biocompatibility tests in compliance with ISO 10993 standards, ensuring that the vessels are pyrogen-free, non-embryotoxic, non-cytotoxic, and non-genotoxic, thereby maintaining the viability of sperm and oocytes throughout complex laboratory procedures.
- Products with tissue culture (TC) surface treatment feature a uniform hydrophilic surface, which supports normal cell growth and development. In contrast, non-TC-treated (non-wettable) products such as micromanipulation dishes ensure optimal consistency of culture medium droplets.
- In vitro cytotoxicity test (MTT assay): cell viability  $\geq 92\%$ . Blastocyst formation rate  $\geq 80\%$ .
- Sterilized by irradiation, achieving a Sterility Assurance Level (SAL) of  $10^{-6}$ .

### Multi-use dish

- ◇ For embryo thawing, embryos microdroplet culture, cumulus cell collection and washing, removal of granulosa cells, etc.
- ◇ Flat bottom, no optical distortion.
- ◇ Optional TC-treatment.
- ◇ Non-embryotoxic, non-pyrogenic, non-cytotoxic, BPA free.
- ◇ Individual peel pack, Sterilized by irradiation ( $10^{-6}$  SAL).



KJ506-5



KJ506-4



KJ506-6

| REF     | MAT | *            |                      |     |                           | Original REF. |
|---------|-----|--------------|----------------------|-----|---------------------------|---------------|
| KJ506-5 | PS  | Ø35×13[Dish] | Individual peel pack | 500 | High wall, wing grip      | 191-0352      |
| KJ506-4 | PS  | Ø60×16[Dish] | Individual peel pack | 300 | Full grip ring, wing grip | 191-0601      |
| KJ506-6 | PS  | Ø90×21[Dish] | Individual peel pack | 200 | Full grip ring, wing grip | 191-0901      |

\*Typical dimensions for reference only. Actual product may vary.

### Microscope operation dish

- ◇ Microscopic observation of the morphology of the oocyte and cumulus cell, handling of the peripheral granulosa cell clusters of the oocyte, and single sperm intracytoplasmic injection fertilization operations.
- ◇ Flat bottom, no optical distortion.
- ◇ Promotion of medium droplet formation (Non TC-treated).
- ◇ Non-embryotoxic, non-pyrogenic, non-cytotoxic, BPA free.
- ◇ Individual peel pack, Sterilized by irradiation ( $10^{-6}$  SAL).



KJ552

| REF   | MAT | *              |                      |     |          | Original REF. |
|-------|-----|----------------|----------------------|-----|----------|---------------|
| KJ552 | PS  | Ø50×8.6 [Dish] | Individual peel pack | 400 | No vents | 191-0502      |

\*Typical dimensions for reference only. Actual product may vary.



## IVF Petri Dish & Multi-well Dish

### Center well dish

- ◇ For the thawing of frozen embryos and the recovery of their biological activity.
- ◇ TC-treated to obtain an excellent hydrophilic surface.
- ◇ Non-embryotoxic, non-pyrogenic, non-cytotoxic, BPA free.
- ◇ Individual peel pack, Sterilized by irradiation (10<sup>-6</sup> SAL).


**KJ551**

**KJ551-1**

| REF            | MAT |                 |                      |     |                                                             | Original REF.   |
|----------------|-----|-----------------|----------------------|-----|-------------------------------------------------------------|-----------------|
| <b>KJ551</b>   | PS  | Ø55×13.5 [Dish] | Individual peel pack | 300 | Center well, with vents                                     | <b>191-0551</b> |
| <b>KJ551-1</b> | PS  | Ø55×13.5 [Dish] | Individual peel pack | 300 | Center Well Dish with 2 compartments, with vents, wing grip | <b>191-0552</b> |

\*Typical dimensions for reference only. Actual product may vary.

### IVF 4-Well Dish


**KJ553**

### IVF 5-Well Dish


**KJ554**

### IVF 6-Well Dish


**KJ555**

- ◇ Our IVF multi-well dishes are available in 4-well, 5-well and 6-well formats. They are used for thawing and resuscitation of gametes, blastocyst culture, cleavage-stage embryo culture, and other related procedures.
- ◇ Ergonomic design enables easy handling and other professional operations while improving safety.
- ◇ Tissue Culture (TC) surface treatment is available as an option, providing a uniform hydrophilic surface that supports normal growth and development.

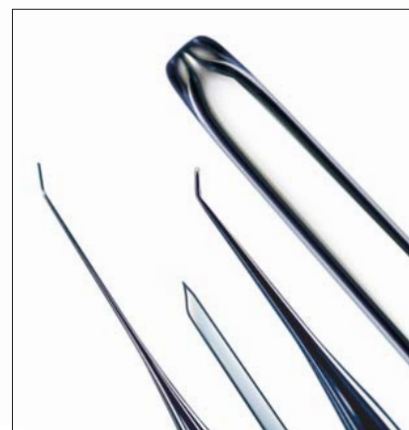
| REF          | MAT | *                                         |                      |     |                   | Original REF.   |
|--------------|-----|-------------------------------------------|----------------------|-----|-------------------|-----------------|
| <b>KJ553</b> | PS  | 4-well, flat bottom, well volume: 1.7mL×4 | Individual peel pack | 200 |                   | <b>192-0041</b> |
| <b>KJ554</b> | PS  | 5-well, flat bottom, well volume: 1.6mL×5 | Individual peel pack | 200 |                   | <b>192-0051</b> |
| <b>KJ555</b> | PS  | 6-well, flat bottom, well volume: 0.4mL×6 | Individual peel pack | 200 | With Straw Holder | <b>192-0061</b> |

\*Relevant parameters are for reference only. Actual product may vary.



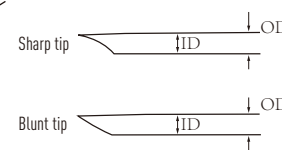
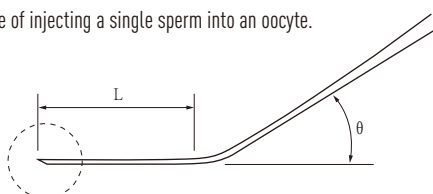
## Micromanipulation Needles (for IVF)

- Micromanipulation needles for assisted reproduction are fine tubular and needle-shaped tools used for injection, oocyte holding, stripping, biopsy, assisted hatching, and sperm retrieval during in vitro fertilization (IVF) micromanipulation.
- A micromanipulation needle consists of a needle hub, needle shaft, and needle tip. It is typically made of borosilicate glass or polymer materials such as polycarbonate.
- **Dimensional accuracy:** Parameters including tip diameter, bending angle, and light transmittance are strictly controlled to meet different operational requirements.
- **Mechanical strength:** The needle tip can withstand an axial force of 0.5–1.0 Newtons without deformation or breakage, ensuring operational stability.
- **Surface quality:** Fabricated using laser pulling and ion beam polishing techniques, with a needle tip edge roughness  $\leq 0.1\mu\text{m}$  to avoid mechanical damage to cells.
- Tested by a third party for biocompatibility, the product complies with ISO 10993 (general standard for biological evaluation of medical devices) and USP (United States Pharmacopeia) and other relevant standards. It is non-embryotoxic, non-cytotoxic, free of
- DNase or RNase contamination, endotoxin-free, and heavy metal-free.
- Sterilized by dry heat or autoclaving, achieving a sterility assurance level (SAL) of  $10^{-6}$ . Individually packed in color boxes.



### ICSI Injection Needle

This product is intended for intracytoplasmic sperm injection (ICSI), used in the procedure of injecting a single sperm into an oocyte. Two tip configurations are available: sharp tip and blunt tip.

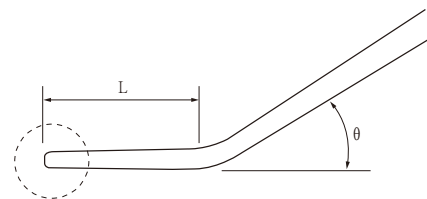
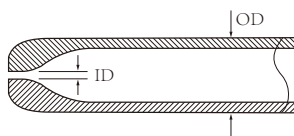


| REF    | Tip Configuration | Angle $\theta$ (°) | Tip Length L ( $\mu\text{m}$ ) | Tip Inner Diameter ID ( $\mu\text{m}$ ) | Tip Outer Diameter OD ( $\mu\text{m}$ ) | Package                              | Original REF. |
|--------|-------------------|--------------------|--------------------------------|-----------------------------------------|-----------------------------------------|--------------------------------------|---------------|
| KJ9301 | Sharp tip         | 20/30/35           | 700/1000                       | 4.0~5.5                                 | 5.5~7.0                                 | Individually packed in an orange box | 194-101       |
| KJ9302 | Blunt tip         | 20/30/35           | 700/1000                       | 4.0~5.5                                 | 5.5~7.0                                 |                                      | 194-102       |

\*Typical dimensions for reference only. Actual product may vary.

### Oocyte Holding Needle

Used for immobilizing oocytes or embryos during micromanipulation.

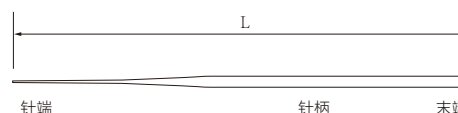


| REF    | Tip Length L ( $\mu\text{m}$ ) | Angle $\theta$ (°) | Tip Inner Diameter ID ( $\mu\text{m}$ ) | Tip Outer Diameter OD ( $\mu\text{m}$ ) | Package                             | Original REF. |
|--------|--------------------------------|--------------------|-----------------------------------------|-----------------------------------------|-------------------------------------|---------------|
| KJ9303 | 700                            | 25/30/35           | 15~25                                   | 110~130                                 | Individually packed in a purple box | 194-201       |
| KJ9304 | 1000                           | 25/30/35           | 15~25                                   | 110~130                                 |                                     | 194-202       |

\*Typical dimensions for reference only. Actual product may vary.

### Denuding Needle

Used for removing granulosa cells surrounding oocytes and zygotes, or for transferring oocytes and embryos.



| REF    | End Diameter ( $\mu\text{m}$ ) | Length L (mm) | Tip Inner Diameter ID ( $\mu\text{m}$ )                                                           | Package                           | Original REF. |
|--------|--------------------------------|---------------|---------------------------------------------------------------------------------------------------|-----------------------------------|---------------|
| KJ9305 | 1200±100                       | 6.5±0.75      | 120~129 / 130~139 / 140~149 / 150~159 / 160~169 / 170~179 / 180~199 / 200~249 / 250~299 / 300~365 | Individually packed in a blue box | 194-301       |
| KJ9306 | 1500±100                       |               |                                                                                                   |                                   | 194-302       |

\*Typical dimensions for reference only. Actual product may vary.

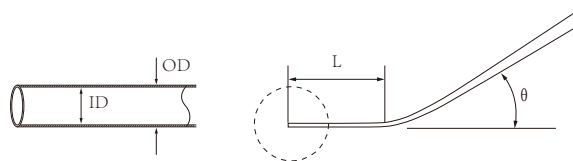




## Micromanipulation Needles (for IVF)

### Embryo Biopsy Needle

Used for collecting polar bodies or cells from oocytes or embryos.



| REF    | Tip Inner Diameter<br>ID (μm) | Tip Outer Diameter<br>OD (μm) | Tip Length<br>L (μm) | Angle<br>θ (°) | Package                            | Original REF. |
|--------|-------------------------------|-------------------------------|----------------------|----------------|------------------------------------|---------------|
| KJ9307 | 10~15                         | 12.5~22.5                     | 700/1000             | 25/30/35       | Individually packed in a green box | 194-401       |
| KJ9308 | 15~25                         | 17.5~32.5                     |                      |                |                                    | 194-402       |
| KJ9309 | 25~35                         | 27.5~47.5                     |                      |                |                                    | 194-403       |

\*Typical dimensions for reference only. Actual product may vary.

## Pasteur Pipette

- During in vitro fertilization procedures, Pasteur pipettes are used to remove granulosa cells surrounding fertilized eggs or to transfer oocytes/embryos.
- Featuring a smooth surface, slender wall and rounded tip, Pasteur pipettes are made of borosilicate glass without harmful impurities such as lead and cadmium, preventing interference with cytotoxicity, sensitization and other evaluation results.
- They comply with relevant standards including ISO 10993 (general standard for biological evaluation tests) and USP (United States Pharmacopeia).
- Customizable specifications: length 150 mm–230 mm, outer tube diameter 7±0.2 mm, outer capillary diameter 1.4±0.1 mm.
- Products are endotoxin-free, heavy metal-free, DNase-free, RNase-free, sterile and pyrogen-free.
- Available in single or multiple-unit packaging.

KJ9230-1



KJ9230-2



| REF      | MAT             |                                                                                |    |     |           | Original REF. |
|----------|-----------------|--------------------------------------------------------------------------------|----|-----|-----------|---------------|
| KJ9230-1 | Lead-free glass | Length: 230 mm, Tube outer diameter: 7 mm,<br>Capillary outer diameter: 1.7 mm | 20 | 200 | STERILE R | 193-2301      |
| KJ9230-2 | Lead-free glass | Length: 150 mm, Tube outer diameter: 7 mm,<br>Capillary outer diameter: 1.7 mm | 20 | 200 | STERILE R | 193-1501      |

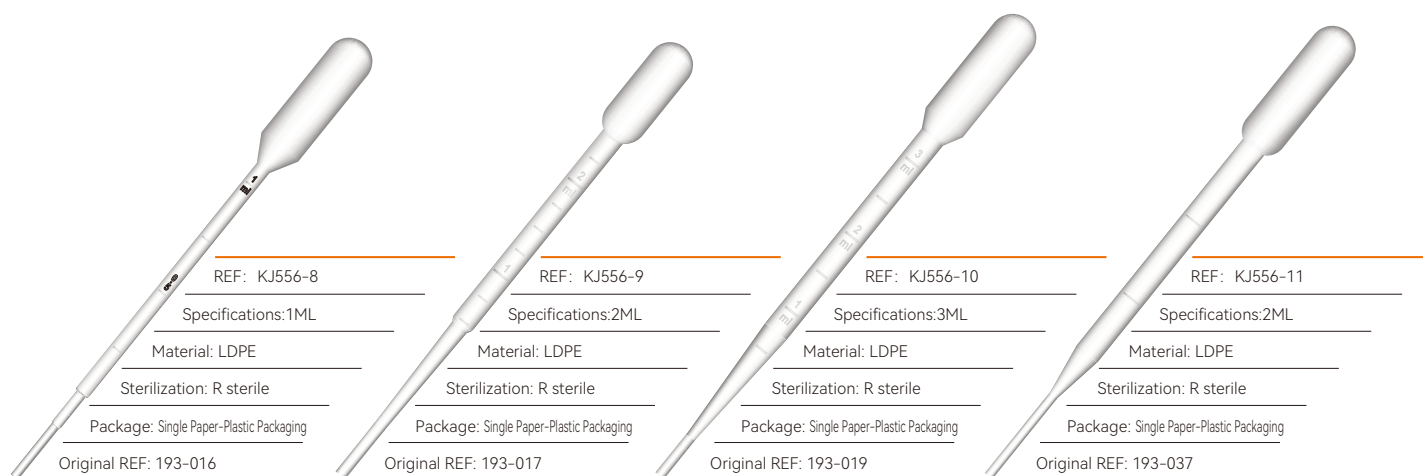
\*Typical dimensions for reference only. Actual product may vary.



## Semen and Oocyte Collection (Processing) Containers

### IVF Pasteur Pipettes

- ◇ Made from medical-grade low-density polyethylene (LDPE), suitable for aspirating, transferring, or sealing small or micro volumes of liquid.
- ◇ Free from embryotoxicity: no pyrogens, cytotoxicity, or genotoxicity, ensuring the vitality of sperm and oocytes during complex experimental processes.
- ◇ Available in single or multiple paper-plastic packaging, sterilized by radiation.

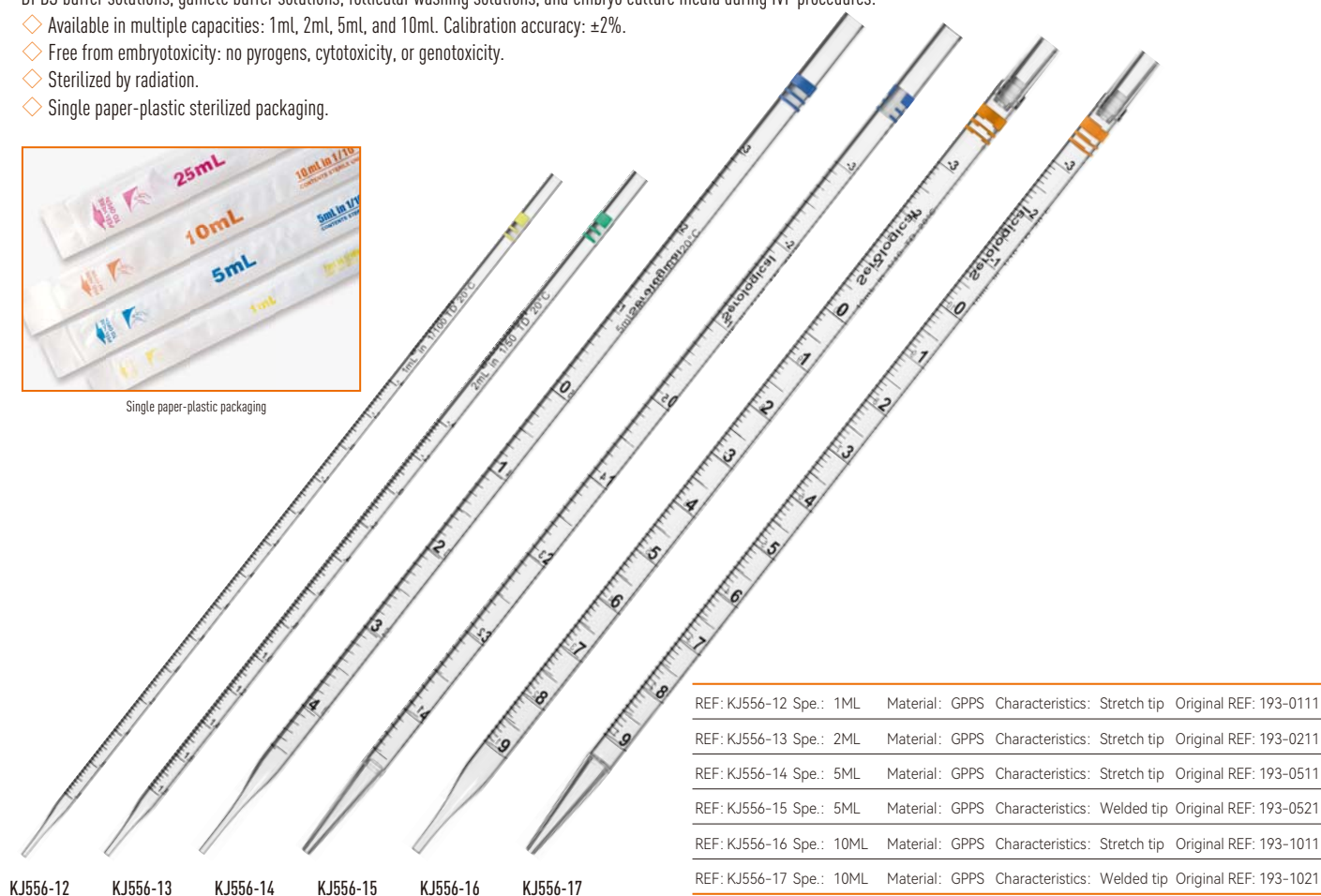


### IVF Transfer Pipettes

- ◇ Made from pure polystyrene (GPPS), complying with USP Plastic Class VI standards, manufactured in a class 100,000 cleanroom. These are used to transfer particle cell removal liquids, DPBS buffer solutions, gamete buffer solutions, follicular washing solutions, and embryo culture media during IVF procedures.
- ◇ Available in multiple capacities: 1mL, 2mL, 5mL, and 10mL. Calibration accuracy:  $\pm 2\%$ .
- ◇ Free from embryotoxicity: no pyrogens, cytotoxicity, or genotoxicity.
- ◇ Sterilized by radiation.
- ◇ Single paper-plastic sterilized packaging.



Single paper-plastic packaging



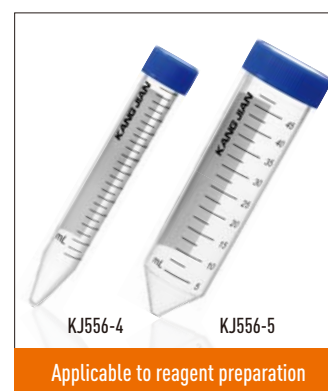


## Semen and Oocyte Collection (Processing) Containers

- All containers for the collection and storage of sperm and oocytes are manufactured from polypropylene (PP) raw materials complying with USP Class VI standards in Class 100,000 cleanrooms.
- The products feature a scratch-free surface, uniform wall thickness, clear and legible volume graduations, and a large frosted surface for convenient labeling by laboratory personnel.
- Having undergone a series of third-party biocompatibility tests, the products meet the international standard ISO 10993 for biological evaluation of medical devices, ensuring that the vessels are pyrogen-free, non-embryotoxic, non-cytotoxic and non-genotoxic, so that sperm and oocytes maintain their viability during complex laboratory procedures.
- Each product is individually packaged and sterilized by irradiation, achieving a sterility assurance level (SAL) of  $10^{-6}$ .

### Semen/Oocyte Collection Containers

- ◇ Semen collection cups are used for collecting semen from adult males or for preparing reagents.
- ◇ Free from embryotoxicity, pyrogens, cytotoxicity, and genotoxicity.
- ◇ Individually packaged and sterilized by radiation.



| REF             |                   |       |             |           |                    |      |                                                | Original REF.    |
|-----------------|-------------------|-------|-------------|-----------|--------------------|------|------------------------------------------------|------------------|
| <b>KJ556-1</b>  | Tube: 7ml         | PP    | Ø13×83mm    | R Sterile | Individual packing | 50   | Used for semen collection                      | <b>193-07011</b> |
|                 | Collection Funnel | PP    | Ø51×52mm    | R Sterile |                    |      |                                                |                  |
| <b>KJ556-21</b> | Tube: 15ml        | PS    | Ø16.5×122mm | R Sterile | Individual packing | 50   | Used for semen collection                      | <b>193-15011</b> |
|                 | Collection Funnel | PP    | Ø58×55mm    | R Sterile |                    |      |                                                |                  |
| <b>KJ556-2</b>  | 90ml              | PP    | Ø58×67mm    | R Sterile | Individual packing | 300  | Primarily for semen collection                 | <b>193-09013</b> |
| <b>KJ556-3</b>  | 120ml             | PP    | Ø64×75mm    | R Sterile | Individual packing | 250  | Primarily for semen collection                 | <b>193-12013</b> |
| <b>KJ556-4</b>  | 15ml              | PS/PP | Ø16×120mm   | R Sterile | Individual packing | 1000 | Applicable to reagent preparation and handling | <b>193-1501</b>  |
| <b>KJ556-5</b>  | 50ml              | PP    | Ø28×116mm   | R Sterile | Individual packing | 500  | Applicable to reagent preparation and handling | <b>193-5001</b>  |

\*The dimensions only for reference. For accurate data, consult customer service.

### Follicular Fluid Collection Tube

- ◇ Used in oocyte retrieval procedures to collect follicular fluid when connected to a vacuum device, serving as temporary storage for the follicular fluid.
- ◇ Free from embryotoxicity, pyrogens, cytotoxicity, and genotoxicity.
- ◇ Individually packed in medical-grade sterile packaging, Sterilized by radiation.

REF: KJ556-6

Volume: 4ML

Material: Polystyrene

Appearance: Ø11.5×75mm

Sterilization: R sterile

Original REF:193-04051



**KJ556-7**

REF: KJ556-7

Volume: 12ML

Material: Polystyrene

Appearance: Ø16.5×100mm

Sterilization: R sterile

Original REF:193-12051





## IVF Cryogenic Tubes

- IVF-specific cryotubes are made of polypropylene (PP) complying with USP Class VI standards and manufactured in cleanrooms as disposable laboratory consumables dedicated to storing biological samples.
- They are typically stored in the vapor phase of liquid nitrogen, can withstand low temperatures down to  $-196^{\circ}\text{C}$  without cracking, and feature excellent sealing performance.
- The external screw thread reduces the risk of sample contamination and ensures the safety of sperm and oocytes inside the tube.
- The tube body is equipped with a clear marking area for convenient labeling.
- This product is endotoxin-free, contains no chemical substances harmful to embryonic cells, and is DNase-free, RNase-free and pyrogen-free.
- Sterilized by irradiation, achieving a sterility assurance level of  $10^{-6}$ .



Double-shot molding Process for Caps, More Reliable Sealing and Leak Prevention.



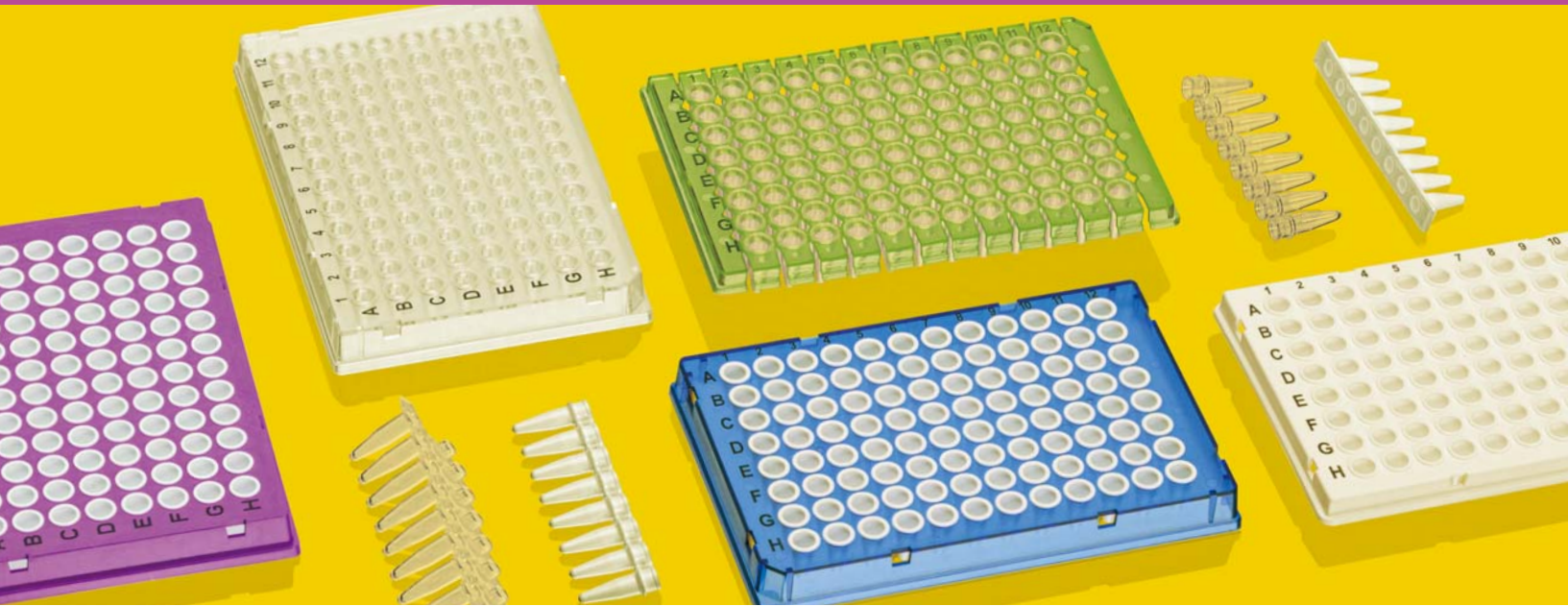
Laser-etched QR codes, barcodes, and numeric codes support multi-code identification.

| REF      |  |  |  |  |  |                                                                                                          |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KJ556-18 | 0.5ml                                                                             | HDPE, TPE, PP                                                                     | $-196\sim 121^{\circ}\text{C}$                                                    | $\varnothing 8.9 \times 29\text{mm}$                                              | 500                                                                                 | Cryogenic tubes should only be stored in the vapor phase of liquid nitrogen. Do not submerge the tubes in liquid nitrogen, as rapid pressure buildup inside the tube may lead to accidents. |
| KJ556-19 | 1ml                                                                               |                                                                                   |                                                                                   | $\varnothing 13 \times 31.5\text{mm}$                                             | 200                                                                                 |                                                                                                                                                                                             |
| KJ556-20 | 2ml                                                                               |                                                                                   |                                                                                   | $\varnothing 13 \times 43\text{mm}$                                               | 200                                                                                 |                                                                                                                                                                                             |

\*Typical dimensions for reference only. Actual product may vary.

# MOLECULAR BIOLOGY

# 06



- PCR Tube Strips 62-63
- Cap for PCR tube strip 63
- PCR Plates 64-66
- Self-sealing film and Sealing scraper 67
- Capping and Decapping tool 67
- Detachable ELISA Plate 68
- Deep-well Plate 69



## PCR Tube Strips

### PCR single tube

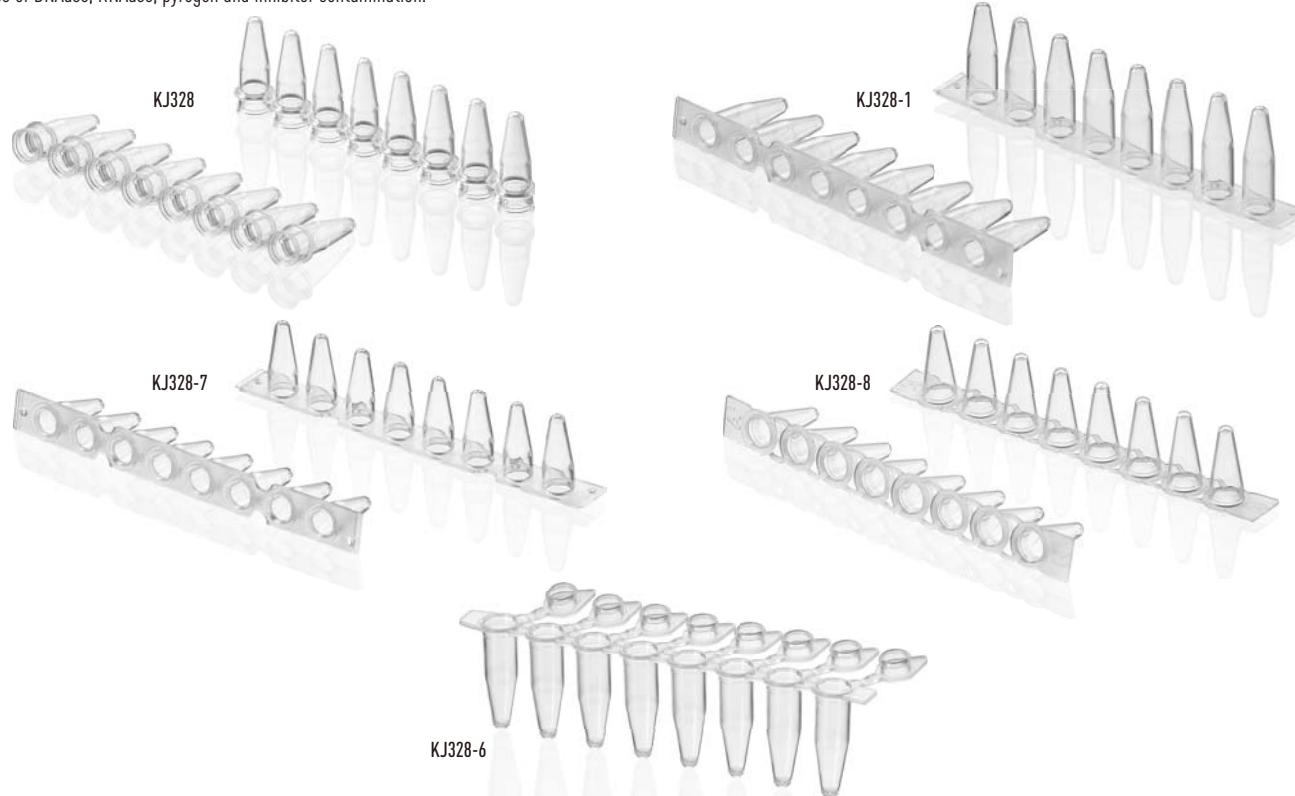
- ◆ Utilizes high-purity medical-grade polypropylene (PP), complying with USP Class VI standards, non-toxic and odorless, to ensure experimental safety.
- ◆ Integrated injection molding ensures uniform tube walls and excellent sealing, compatible with standard PCR thermal cycling requirements.
- ◆ Cleanroom production with pre-sterilization (gamma/E0) to prevent cross-contamination.
- ◆ 0.2ml/0.5ml specifications support manual and automated equipment, ideal for routine amplification and sample storage applications.



| REF     | MAT |       |      |   |       |                                                  | Original REF. |
|---------|-----|-------|------|---|-------|--------------------------------------------------|---------------|
| KJ370-1 | PP  | 0.2mL | 1000 | - | 50000 | Transparent, <span>STERILE</span> <span>R</span> | 111-0101      |
| KJ370-2 | PP  | 0.5mL | 1000 | - | 20000 | Transparent, <span>STERILE</span> <span>R</span> | 111-0102      |

### PCR tube strips

- ◆ High quality imported polypropylene raw material.
- ◆ Thin-wall and smooth to ensure uniform and rapid heat conduction of the sample inside the tube.
- ◆ Used with PCR cap strips, good sealing to prevent contamination, easy to open and close.
- ◆ Suitable for PCR instruments with corresponding module specifications.
- ◆ Free of DNAase, RNAase, pyrogen and inhibitor contamination.



| REF     | MAT |         |     |      |                                                 |                                     | Original REF. |
|---------|-----|---------|-----|------|-------------------------------------------------|-------------------------------------|---------------|
| KJ328   | PP  | 0.2mLx8 | 200 | 6000 | 8 Strips, Detachable, Thin-Wall, Transparent,   | <span>STERILE</span> <span>R</span> | 111-0801      |
| KJ328-1 | PP  | 0.2mLx8 | 200 | 6000 | 8 Strips, Undetachable, Thin-Wall, Transparent, | <span>STERILE</span> <span>R</span> | 111-0802      |
| KJ328-7 | PP  | 0.1mLx8 | 200 | 6000 | 8 Strips, Undetachable, Thin-Wall, Transparent, | <span>STERILE</span> <span>R</span> | 111-0808      |
| KJ328-8 | PP  | 0.1mLx8 | 200 | 6000 | 8 Strips, Detachable, Thin-Wall, Transparent,   | <span>STERILE</span> <span>R</span> | 111-0809      |
| KJ328-6 | PP  | 0.2mLx8 | 200 | 6000 | 8 Strips, Detachable, Thin-Wall, Transparent,   | <span>STERILE</span> <span>R</span> | 111-0803      |

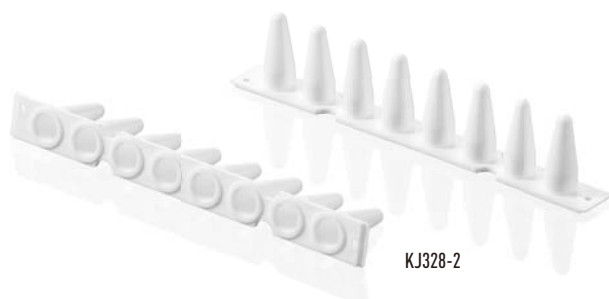
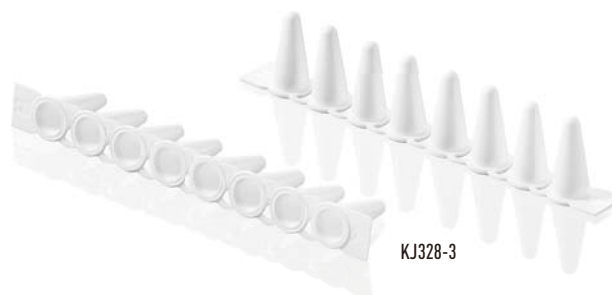
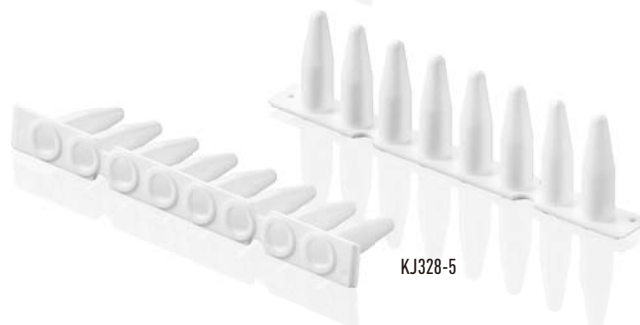




## PCR Tube Strips

### Fluorescent Quantitative PCR 8-strip tubes

- ◆ White hole design for enhanced fluorescence reflection.
- ◆ Stable physical properties, flat and non-deformed.
- ◆ Ultra-thin tube wall ensures optimal heat transfer.
- ◆ Available for automated system.
- ◆ Can be sealed with an optical flat or domed cap strip.
- ◆ Free of DNAase, RNAase, pyrogen and inhibitor contamination.

**KJ328-2****KJ328-3****KJ328-4****KJ328-5**

| REF     | MAT |         |     |      |                                              |           | Original REF. |
|---------|-----|---------|-----|------|----------------------------------------------|-----------|---------------|
| KJ328-2 | PP  | 0.1mL×8 | 125 | 1250 | 8 qPCR Tube Strips, Undetachable, Thin-Wall, | STERILE R | 111-0804      |
| KJ328-3 | PP  | 0.1mL×8 | 125 | 1250 | 8 qPCR Tube Strips, Detachable, Thin-Wall,   | STERILE R | 111-0805      |
| KJ328-4 | PP  | 0.2mL×8 | 125 | 1250 | 8 qPCR Tube Strips, Detachable, Thin-Wall,   | STERILE R | 111-0806      |
| KJ328-5 | PP  | 0.2mL×8 | 125 | 1250 | 8 qPCR Tube Strips, Undetachable, Thin-Wall, | STERILE R | 111-0807      |

## Cap for PCR Tube Strip

### Cap for PCR tube strip

- ◆ Can be used to seal 0.1mL and 0.2mL PCR tube strip.
- ◆ Quick and easy seal for PCR plates and other standard multiwell plates.
- ◆ Cap strips seal valuable samples, reduce evaporation, decrease the possibility of contamination between sample wells, and help ensure reliable results.
- ◆ Easy to use, with downward pressure to form a tight seal, a pull tab on the end to remove the cap, or use a special 8-well cap decapper for easy opening.
- ◆ Optical lid design with excellent optical clarity for fluorescent RT-PCR experiments.

**KJ330-1****KJ330-2****KJ330-3**



## Cap for PCR tube strip

| REF     | MAT |          |     |      |                                                                                                          | Original REF. |
|---------|-----|----------|-----|------|----------------------------------------------------------------------------------------------------------|---------------|
| KJ330-1 | PP  | 8 Strips | 125 | 1250 | 8 Cap Strips, Flat, Undetachable, <b>STERILE R</b><br>Compatible with KJ328-1, KJ328-7, KJ328-2, KJ328-5 | 112-0801      |
| KJ330-2 | PP  | 8 Strips | 125 | 1250 | 8 Cap Strips, Domed, Detachable, <b>STERILE R</b><br>Compatible with KJ328, KJ328-8, KJ328-3, KJ328-4    | 112-0802      |
| KJ330-3 | PP  | 8 Strips | 125 | 1250 | 8 Cap Strips, Flat, Detachable, <b>STERILE R</b><br>Compatible with KJ328, KJ328-8, KJ328-3, KJ328-4     | 112-0803      |

## PCR Plates

### Product Characteristics

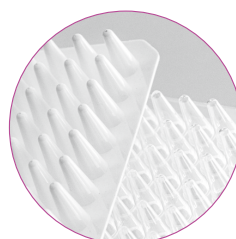
- ◆ Complying with USP Class VI standards, All products are manufactured in Class 100,000 cleaning room.
- ◆ Ultra-thin wall (0.25-0.30mm) with uniform thickness ensures optimal heat transfer.
- ◆ 8 limit holes on the skirt allow for easy insertion and removal on the PCR instrument module.
- ◆ Laser-etched Numbers and Letters positioning for clear, easy-to-read and contamination-free text.
- ◆ Sample well raised edge design reduces cross-contamination for an effective seal.
- ◆ Perfectly suited for fluorescence quantitative PCR experiments.
- ◆ Free of DNAase, RNAase, pyrogen and inhibitor contamination.



○ Double-shot molding of tube holes and frames.



○ High rim design reduces cross-contamination and ensures a tight seal.



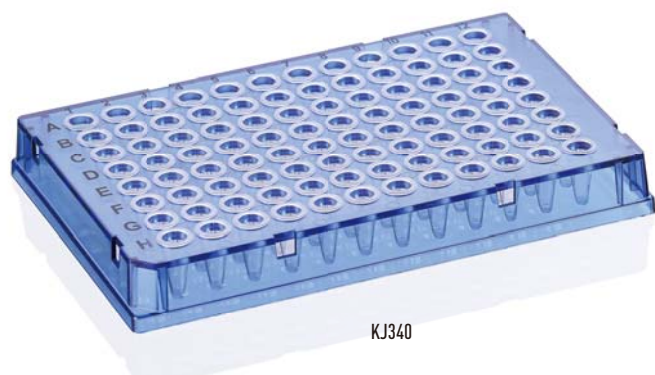
○ Optional clear or white.



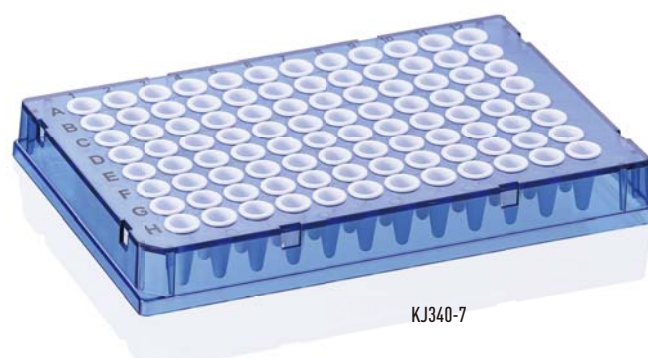
○ Numbers and letters positioning.

### Full Skirt 96-well PCR plate

- ◆ Double-shot injection molding: polycarbonate frame and polypropylene tubing holes that remain distortion-free even after thermal cycling.
- ◆ Optimized skirt design for easy barcode labeling and automated workstations.
- ◆ 8 limit holes on the skirt allow for easy insertion and removal on the PCR instrument module.
- ◆ 0.1mL small volume sample tube design improves PCR efficiency, maximizing PCR efficiency for micro-volume samples.
- ◆ Side barcode customization available upon request.



KJ340



KJ340-7

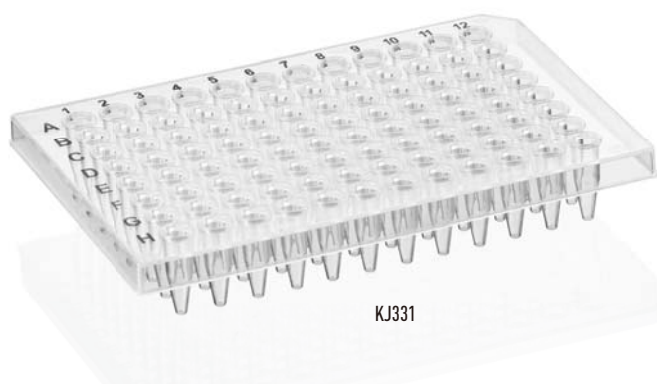
| REF     | MAT                                     |          |    |    |                                                    | Original REF. |
|---------|-----------------------------------------|----------|----|----|----------------------------------------------------|---------------|
| KJ340-6 | Double-shot molding<br>Frame:PC Tube:PP | 0.1mL×96 | 10 | 50 | Transparent tube + Transparent/White/Colored frame | 113-96111     |
| KJ340-7 | Double-shot molding<br>Frame:PC Tube:PP | 0.1mL×96 | 10 | 50 | White tube + Transparent/White/Colored frame       | 113-96112     |



## PCR Plates

### Half-skirt 96-well PCR plate

- ◆ Half-skirt for labeling and barcoding.
- ◆ Adaptable to a wide range of PCR instruments.
- ◆ Available in 0.1mL and 0.2mL wells.
- ◆ Minimal variation between wells.
- ◆ Customized barcodes are available upon request.
- ◆ Perfect for standard PCR or fluorescent qPCR experiments.

**KJ331****KJ331-1**

| REF            | MAT |  |  |  |  | Original REF.    |
|----------------|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|
| <b>KJ331</b>   | PP  | 0.2mL×96                                                                          | Individual pack<br>or<br>10/20 PCS                                                | 200                                                                                | Transparent                                                                         | <b>113-96221</b> |
| <b>KJ331-1</b> | PP  | 0.1mL×96                                                                          |                                                                                   | 200                                                                                | White                                                                               | <b>113-96211</b> |

### High-skirt 96-well PCR plate

- ◆ High-skirt for labeling and barcoding.
- ◆ High-edge design for Thermo Fisher Applied Biosystems.
- ◆ Available in 0.1mL and 0.2mL wells.
- ◆ Minimal variation between wells.
- ◆ Customized barcodes are available upon request.
- ◆ Perfect for standard PCR or fluorescent qPCR experiments.

**KJ331-2****KJ331-3**

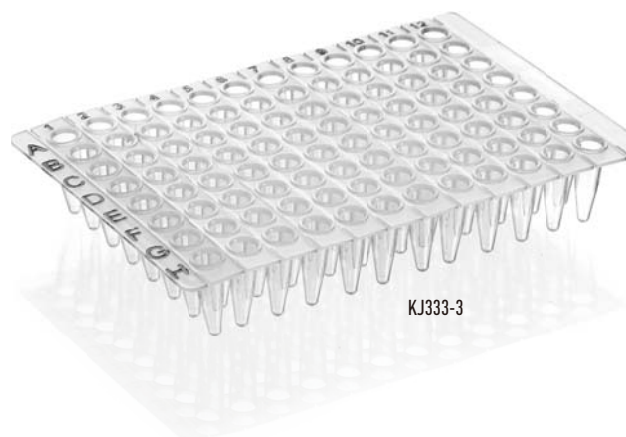
| REF            | MAT |  |  |  |  | Original REF.    |
|----------------|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|
| <b>KJ331-2</b> | PP  | 0.1mL×96                                                                            | Individual pack<br>or<br>10/20 PCS                                                  | 200                                                                                  | Compatible with Thermo Fisher<br>Applied Biosystems                                   | <b>113-96212</b> |
| <b>KJ331-3</b> | PP  | 0.2mL×96                                                                            |                                                                                     | 200                                                                                  | Compatible with Thermo Fisher<br>Applied Biosystems                                   | <b>113-96222</b> |



## PCR Plates

### No skirt 96-well PCR plate

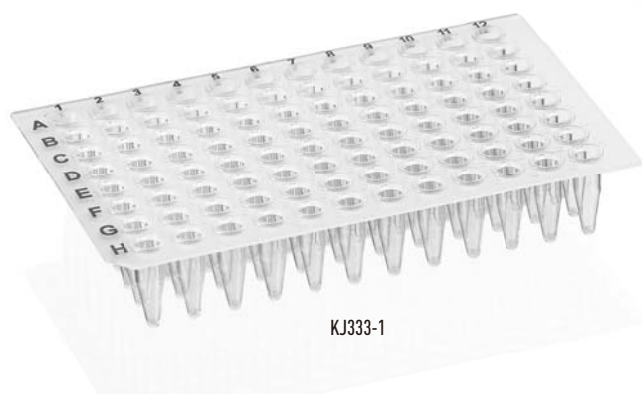
- ◆ Adaptable to most PCR instruments.
- ◆ Numeric letter for easy marking and identification.
- ◆ Available in two well volumes: 0.2mL and 0.1mL.
- ◆ Perfect for standard PCR or fluorescent qPCR experiments.



KJ333-3



8-well Strip Detachable



KJ333-1



KJ333

| REF     | MAT |            |                                    |     |                                              | Original REF. |
|---------|-----|------------|------------------------------------|-----|----------------------------------------------|---------------|
| KJ333-3 | PP  | 0.2mL×8×12 | Individual pack<br>or<br>10/20 PCS | 200 | Skirtless, clear,<br>Detachable 8-well strip | 113-96331     |
| KJ333-1 | PP  | 0.1mL×96   |                                    | 200 | Transparent / White                          | 113-96311     |
| KJ333   | PP  | 0.2mL×96   |                                    | 200 | Transparent / White                          | 113-96322     |



## Self-sealing film and Sealing scraper

### Self-sealing film

- ◆ Effective adhesive seal to prevent sample evaporation during PCR reactions.
- ◆ Removable from PCR plate without residue.
- ◆ Samples can be viewed through the transparent membrane.
- ◆ Free of human DNA, DNase, RNase and PCR inhibitors.



KJ388-1

### Sealing scraper

- ◆ Used for PCR plate sealing operation, the self-sealing film is in full contact with the edge of the well rim, resulting in a tight seal. Meanwhile, the rounded scraper edge design has no damage to the sealing film, avoiding possible risks.
- ◆ Non-disposable, can be reused after cleaning, sterilization and disinfection.



KJ388

| REF     | MAT      |  |  |  | Original REF. |
|---------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|
| KJ388-1 | Plastics | 80×130mm                                                                          | 100                                                                               | Disposable                                                                          | 114-101       |
| KJ388   | ABS      | 70×85mm                                                                           | Customized                                                                        | Reusable                                                                            | 114-201       |

## Capping and Decapping tool

### Capping

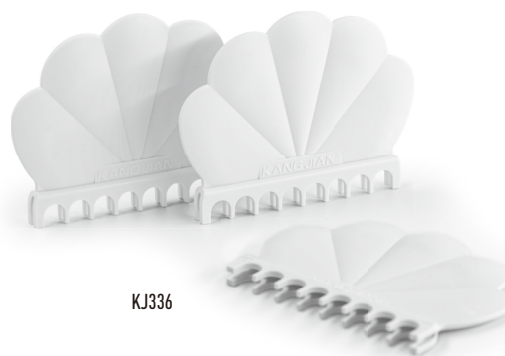
- ◆ Mainly used for sealing PCR tube strip, make the capping tight, easy and fast, and will not contaminate the sample inside the tube.
- ◆ Non-disposable, and can be reused after cleaning, sterilization and disinfection.



KJ337

### Uncapping

- ◆ Mainly used for opening cap strip on PCR plates, make the uncapping easy and fast.
- ◆ Non-disposable, can be reused after cleaning, sterilization and disinfection.



KJ336

| REF   | MAT |  |  |  | Original REF. |
|-------|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ337 | ABS | 100×80×20mm                                                                         | Customized                                                                          | Reusable                                                                              | 115-001       |
| KJ336 | ABS | 70×90×6.6mm                                                                         | Customized                                                                          | Reusable                                                                              | 115-081       |





## Detachable ELISA Plate

Microplates are mainly used for Enzyme-Linked Immunosorbent Assay (ELISA). By adding reagents such as test samples, antibodies, enzyme-conjugated secondary antibodies and substrates, quantitative detection of biomolecules including proteins, hormones and antibodies in biological samples can be achieved.

They can also be used for enzyme activity assays, cell culture experiments, cytotoxicity assays, drug screening assays and other applications.

○ Manufactured from medical-grade polystyrene (PS) complying with USP Plastic Class VI standards; frame dimensions meet ANSI-SBS standards.

Microplates are available in different colors for various detection methods: transparent plates for colorimetric analysis, white plates for chemiluminescent detection, and black plates for fluorescent detection.

○ Surface is hydrophilically treated, offering high-binding and medium-binding versions. High-binding plates are suitable for low-concentration protein detection but tend to produce non-specific binding. Medium-binding plates are general-purpose, balancing sensitivity and specificity.

○ Detachable microplates feature separable strips and frames, available in 8-strip, 12-strip or 24-strip formats with high flexibility, ideal for experiments with variable sample volumes.

○ DNase/RNase-free, pyrogen-free, endotoxin-free, and free of inhibitors and heavy metal contamination.

○ Sterilized by irradiation, achieving a sterility assurance level of SAL =  $10^{-6}$ .



| REF      | MAT  |                             |             |                       |      | Original REF. |
|----------|------|-----------------------------|-------------|-----------------------|------|---------------|
| KJ511-5  | PS   | 12 Wells Detachable Strip   | 128×85×16mm | Individually packaged | 200  | 163-0121      |
| KJ511-6  | PS   | 8 Wells Detachable Strip    |             | Individually packaged | 200  | 163-0081      |
| KJ511-7  | PS   | 8 Wells Detachable Strip    |             | Individually packaged | 200  | 163-0082      |
| KJ511-17 | PS   | 24 Wells Detachable Strip   |             | Individually packaged | 200  | 163-0241      |
| KJ511-10 | LDPE | 8 Concave Sealing Cap Strip | -           | 200                   | 2000 | 163-1081      |

\*Data for reference only. May vary by measurement methods & environment.

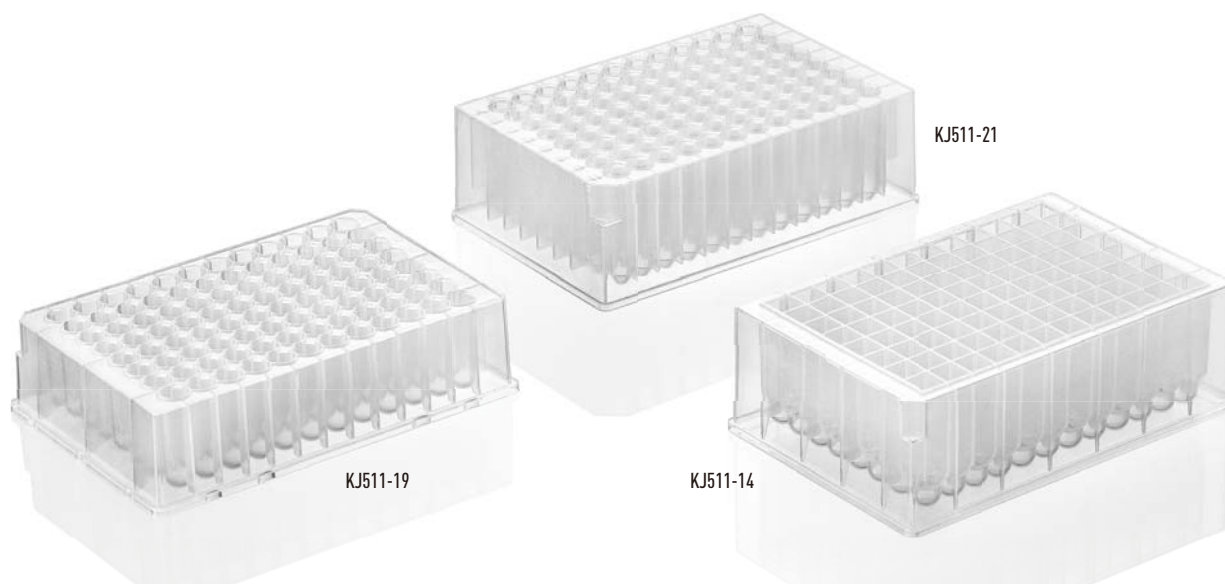
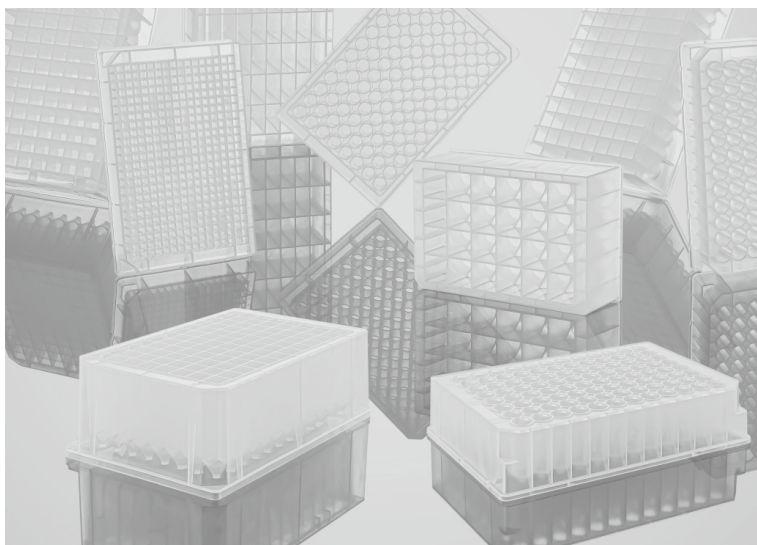




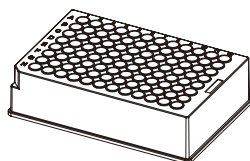
## Deep-well Plate

Deep well plates are used in life science research for liquid storage and mixing in various experimental scenarios, and can be applied in nucleic acid extraction procedures. The multi-well design allows simultaneous storage of various solutions and reagents, with clear numbering on the plate surface for easy identification. Plates with different well configurations and depths can be selected according to experimental requirements.

- Manufactured from medical-grade polypropylene (PP) with excellent biocompatibility.
- Stable physical and chemical properties, high resistance to acid and alkali corrosion, autoclavable at 121°C, and suitable for cryogenic storage at -80°C.
- Available in square and round well shapes; well bottoms include U-bottom, V-bottom and flat-bottom designs to ensure minimal sample retention.
- Compliant with ANSI-SBS standards, compatible with multi-channel pipettes and automated systems.
- Reliable sealing performance: the top surface of the plate is flat and uniform, ensuring effective sealing.
- DNase/RNase-free, pyrogen-free, endotoxin-free, and free of inhibitors and heavy metal contamination.
- Sterilized by irradiation, achieving a sterility assurance level of SAL = 10<sup>-6</sup>.

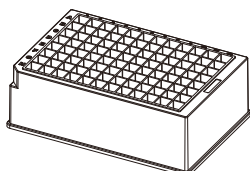


### Round-well Plate



| REF      | MAT |       |  |                    | *           |                             | Original REF. |
|----------|-----|-------|--|--------------------|-------------|-----------------------------|---------------|
| KJ511-16 | PP  | 1.0mL |  | 96 wells, V-bottom | 128×85×33mm | 1 plate/pack×50 pack/carton | 164-09611     |
| KJ511-19 | PP  | 1.0mL |  | 96 wells, U-bottom | 128×85×42mm | 1 plate/pack×50 pack/carton | 164-09612     |
| KJ511-20 | PP  | 2.0mL |  | 96 wells, U-bottom | 128×85×44mm | 1 plate/pack×50 pack/carton | 164-09613     |
| KJ511-21 | PP  | 2.0mL |  | 96 wells, V-bottom | 128×85×44mm | 1 plate/pack×50 pack/carton | 164-09614     |

### Square-well Plate



| REF      | MAT |       |  |                       | *           |                             | Original REF. |
|----------|-----|-------|--|-----------------------|-------------|-----------------------------|---------------|
| KJ511-15 | PP  | 1.6mL |  | 96 wells, U-bottom    | 128×85×32mm | 1 plate/pack×50 pack/carton | 164-09621     |
| KJ511-22 | PP  | 1.6mL |  | 96 wells, V-bottom    | 128×85×32mm | 1 plate/pack×50 pack/carton | 164-09622     |
| KJ511-23 | PP  | 2.2mL |  | 96 wells, Cone bottom | 128×85×44mm | 1 plate/pack×50 pack/carton | 164-09623     |
| KJ511-14 | PP  | 2.2mL |  | 96 wells, U-bottom    | 128×85×42mm | 1 plate/pack×50 pack/carton | 164-09624     |

\*Data for reference only. May vary by measurement methods & environment.

# SPECIMEN CONTAINER

# 07



|                                                        |       |
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| → Saliva (Sputum) DNA Sample Collection Kit            | 82-83 |
| → Tubes for antigen specimen testing                   | 84    |





## Specimen Cups (Safe & Leak-proof Type)

- ◆ Constructed from medical-grade virgin PP (polypropylene), maintaining structural integrity at high temperatures without deformation. Available in varied capacities and cap colors to accommodate diverse specimen collection and experimental requirements.
- ◆ Engineered for secure biological specimen collection and transportation, effectively preventing sample desiccation and leakage. Suitable for sealed preservation of urine, feces, saliva, semen, reagents, preservatives, and other specimens requiring containment.
- ◆ Integrated audible "click" snap lock provides tactile and auditory confirmation when securely tightened, ensuring leak-proof closure while preventing thread stripping caused by over-tightening.
- ◆ Injection-molded graduations feature high-visibility triple-scale layout equally spaced around the cup perimeter, enabling rapid volume reading without rotation.
- ◆ Biosecure sealing guarantees contamination-free storage and transportation compliance.
- ◆ Sterilization options: EO (ethylene oxide) or Radiation.



| REF     |  |  |  | STERILE                       |  |  | Original REF. |
|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ532-1 | 120mL                                                                               | PP                                                                                  | Ø53×82mm                                                                            | STERILE EO<br>or<br>STERILE R | 25                                                                                    | 250                                                                                   | 075-12001     |
| KJ532-2 | 80mL                                                                                | PP                                                                                  | Ø53×68mm                                                                            |                               | 50                                                                                    | 400                                                                                   | 075-08001     |
| KJ532-3 | 60mL                                                                                | PP                                                                                  | Ø44×61mm                                                                            |                               | 40                                                                                    | 600                                                                                   | 075-06001     |
| KJ532-4 | 40mL                                                                                | PP                                                                                  | Ø44×50mm                                                                            |                               | 20                                                                                    | 800                                                                                   | 075-04001     |
| KJ532-5 | 20mL                                                                                | PP                                                                                  | Ø30×50mm                                                                            |                               | 50                                                                                    | 800                                                                                   | 075-02001     |
| KJ532-6 | 250mL                                                                               | PP                                                                                  | Ø83×80mm                                                                            |                               | -                                                                                     | 100                                                                                   | 075-25001     |
| KJ532-7 | 500mL                                                                               | PP                                                                                  | Ø83×110mm                                                                           |                               | -                                                                                     | 50                                                                                    | 075-50001     |

\*Typical dimensions for reference only. Actual product may vary.

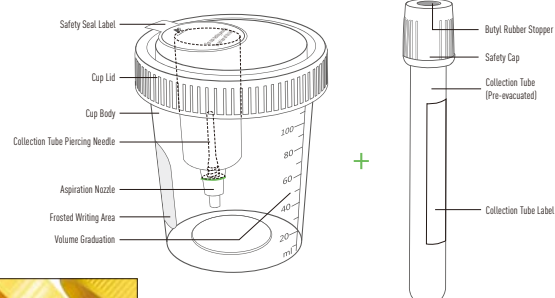


## Urine Container with Transfer device

- ◆ The system comprises a urine collection cup and a pre-evacuated urine collection tube, intended for urine specimen collection and contamination-free pre-test processing.
- ◆ With superior airtight sealing, it effectively prevents specimen leakage and cross-contamination, facilitates specimen storage and transport, and eliminates direct contact between patients/medical personnel and the specimen. This reliable sealing ensures strict pre-analytical quality control, supporting full standardization of specimen testing.
- ◆ The user-friendly design enables an easy, convenient, safe and efficient closed-loop urine collection workflow, effectively preventing environmental contamination and maintaining a sanitary working environment.
- ◆ Sterilization options: ethylene oxide (EO) or gamma irradiation.

Urine Collection Cup

Urine Collection Tube



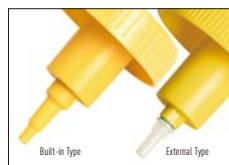
Humanized warning design to remind patients to avoid hand injury from the puncture needle during operation.



The puncture needle, protected by a silicone sleeve, is fitted inside the hole of the cup lid.



The grooved design on the inner surface of the collection cup lid fits precisely with the cup rim, effectively preventing urine leakage from the cup.



Two distinct liquid suction nozzle designs: both built-in and external types can effectively ensure rapid aspiration of urine from the cup into the collection tube.



| REF      | MAT | *<br>[Icon: Ruler]        | *<br>[Icon: Test Tube]  | [Icon: Bag] | [Icon: Box] | [Icon: Open Box] | [Icon: Info]                               | Original REF. |
|----------|-----|---------------------------|-------------------------|-------------|-------------|------------------|--------------------------------------------|---------------|
| KJ527-5  | PP  | Ø54×64mm (External Type)  | 60 [Capacity: 45~25]mL  | 50          | -           | 400              |                                            | 071-06041     |
| KJ527-10 | PP  | Ø52×64mm (Built-in Type)  | 60 [Capacity: 45~25]mL  | 50          | -           | 300              |                                            | 071-06042     |
| KJ527-6  | PP  | Ø58×65mm (External Type)  | 90 [Capacity: 70~30]mL  | 50          | -           | 300              |                                            | 071-09021     |
| KJ527-7  | PP  | Ø65×75mm (External Type)  | 100 [Capacity: 80~30]mL | 50          | -           | 300              |                                            | 071-10026     |
| KJ527-11 | PP  | Ø65×75mm (Built-in Type)  | 100 [Capacity: 80~30]mL | 50          | -           | 300              |                                            | 071-10027     |
| KJ527-8  | PP  | Ø60×73mm(External Type)   | 100 [Capacity: 80~30]mL | 50          | -           | 300              |                                            | 071-10032     |
| KJ527-9  | PP  | Ø60×73mm(External Type)   | 100 [Capacity: 80~30]mL | 50          | -           | 300              |                                            | 071-10042     |
| KJ759    | PET | Ø16×100mm(Round bottom)   | 10mL                    | -           | 100         | 1200             | STERILE EO or STERILE R<br>or no sterilize | 071-01010     |
| KJ757    | PET | Ø16×100mm(Conical bottom) | 10mL                    | -           | 100         | 1200             |                                            | 071-01011     |

\*Typical data for reference only. Actual product may vary.





## Urine Container with Transfer device

### Urine collection process



I. Open the cap anticlockwise.  
(Attention: Do not touch or get off the label)



II. Put the cap on a clean surface.(Attention: Do not touch the suction nozzle and the inner surface of the cap and container)



III. Collect the urine sample. Recommended volume: 60ml.



IV. Turn the cap tightly on the cup clockwise and send the container to test center.

### Urine collection of medical staff



V. Gently mix the urine specimen before transferring.



VI. Partially remove the cap protection label.



VII. Insert the vacuum tube into the cavity and gently press down. The needle will puncture into the tube. Keep the tube pressed until it is full.



VIII. Remove the tube after it is filled completely and restick the protection label over hole.



IX. Gently shake the urine tube and finish the sampling process.

## Simplified Urine Collector Container



KJ533



KJ759  
(Round bottom)



KJ757  
(Conical bottom)



(Custom Urine Cup)

How to use



| REF   | MAT | *<br>Length: 140mm        |      |     |     |      |                                            | Original REF. |
|-------|-----|---------------------------|------|-----|-----|------|--------------------------------------------|---------------|
| KJ533 | PP  | Length: 140mm             | -    | 100 | -   | 1000 |                                            | 071-14015     |
| KJ759 | PET | Ø16×100mm(Round bottom)   | 10mL | -   | 100 | 1200 | STERILE EO or STERILE R<br>or no sterilize | 071-01010     |
| KJ757 | PET | Ø16×100mm(Conical bottom) | 10mL | -   | 100 | 1200 |                                            | 071-01011     |

\*Typical dimensions for reference only Actual product may vary.



## Urine DNA Sample Preservation Tube

◆ Compared with conventional blood DNA sample collection, urine DNA sample collection is a new non-invasive and painless method for human DNA sample collection. The urine DNA sample preservation tube can preserve not only the genome in urine but also cell-free circulating DNA (cfDNA) in urine. Studies have demonstrated that part of plasma cfDNA originates from tumors, fetuses and transplanted organs, and plasma cell-free DNA can pass through the kidneys into urine, which brings great application value for non-invasive diagnosis.

◆ After urine sample collection, the urine DNA sample preservation tube can stably preserve DNA at 6–35°C for up to 7 days. Composed of EDTA anticoagulant and a special protective agent, it can effectively inhibit nucleases in urine, prevent the release of genomic DNA from exfoliated cells in urine, and also preserve blood cells in urine. Featuring convenient collection, non-invasiveness, and storage and transportation at room temperature, it greatly facilitates the transportation and storage of urine samples. This product is suitable for research related to non-invasive prenatal screening and early diagnosis of certain diseases.

◆ The urine DNA sample preservation tube is a negative-pressure tube made of PET material, with a built-in fixed volume of urine DNA sample preservation solution, used for the collection and preservation of urine samples from urine collection cups.

### ◆ Precautions for Urine Collection

1. It is recommended to collect urine volume sufficient for 2 urine DNA sample preservation tubes. Excessive or insufficient urine volume will lead to an inappropriate urine/protective agent ratio and fail to achieve optimal test results.
2. Discontinue use if precipitation or insoluble substances are found in the product before use.
3. First-morning urine is preferred. Invert the preservation tube gently up and down 10 times immediately after urine collection. Insufficient or excessive mixing may affect the test results.

### ◆ Cell-Free DNA Extraction Method

1. Urine separation: Centrifuge the urine DNA sample preservation tube at 4000 rpm for 10 minutes. Aspirate the upper layer of urine into a new centrifuge tube, taking care not to aspirate exfoliated cells at the bottom of the urine in the tube.
2. Cell-free DNA extraction: The separated urine can be used for cell-free DNA extraction with a corresponding commercial kit.

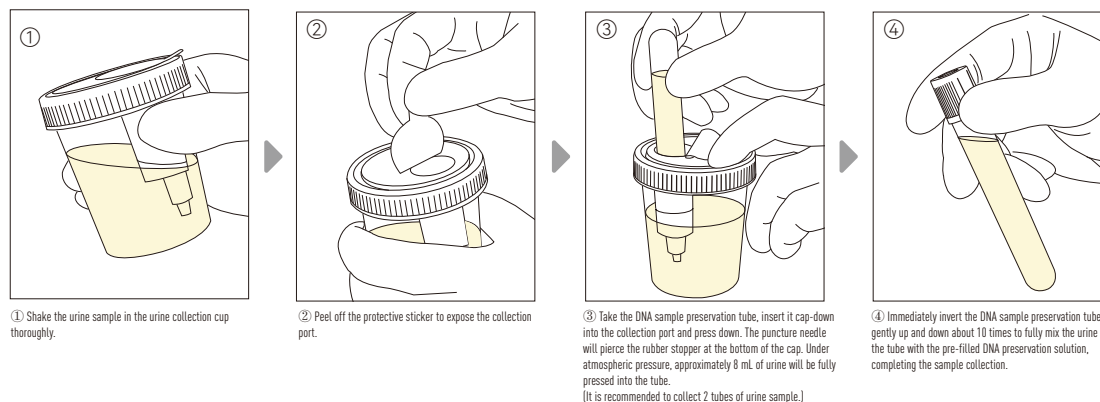
◆ DNase-free, RNase-free, pyrogen-free, and customizable barcode labels are available.



KJ759-1

| REF     | MAT                | 100mL | 10mL                                   | STERILE                 | 50 | 100 | 300  | Original REF.                                           |
|---------|--------------------|-------|----------------------------------------|-------------------------|----|-----|------|---------------------------------------------------------|
| KJ759-1 | Collection cup: PP | 100mL | -                                      | STERILE EO or STERILE R | 50 | -   | 300  |                                                         |
|         | Storage tube: PET  | 10mL  | Special DNA Preservation Solution 2 mL | STERILE EO              | -  | 100 | 1200 | Cup lid and tube cap colors are customizable. 071-10052 |

## How to use







## Urine Container

- ◆ Urine Specimen Cup (Measuring Cup) is manufactured from medical-grade polypropylene (PP) or polystyrene (PS). PP cups withstand autoclaving at 121 °C with no deformation. Available in a full range of styles, capacities and lid colors to suit diverse specimen collection and laboratory testing protocols.
- ◆ The cup features clear, legible volume graduations and a large frosted writing area for easy labeling by laboratory personnel.
- ◆ Superior leak-proof seal effectively prevents specimen leakage and cross-contamination, simplifies storage and transportation, eliminates direct contact between specimens and patients/medical staff, and ensures maximum biosafety and operational reliability.
- ◆ In addition, the reliable sealing performance guarantees pre-analytical quality control, supporting full standardization of sample testing workflows.
- ◆ Customization options include DNase-free, RNase-free, pyrogen-free versions and custom barcode labels, tailored to specific application requirements.
- ◆ Sterilization options: Ethylene Oxide (EO), irradiation, or non-sterile.



Custom labels



Individually sterilized packaging



KJ512



KJ513-2



KJ515-2



KJ517-1



KJ524-3



KJ525



KJ524-5

| REF     |       |    |          | *  |     |                 |                         | Original REF. |
|---------|-------|----|----------|----|-----|-----------------|-------------------------|---------------|
| KJ512   | 100mL | PP | Ø60×73mm | 1  | 250 | Individual Pack | STERILE EO or STERILE R | 071-10013     |
|         | 100mL | PP | Ø60×73mm |    | 250 | Bluk Pack       |                         | 071-10010     |
| KJ513-2 | 120mL | PP | Ø64×75mm | 1  | 250 | Individual Pack | STERILE EO or STERILE R | 071-12013     |
|         | 120mL | PP | Ø64×75mm |    | 250 | Bluk Pack       |                         | 071-12010     |
| KJ515-2 | 60mL  | PP | Ø53×65mm | 1  | 300 | Individual Pack | STERILE EO or STERILE R | 071-06013     |
|         | 60mL  | PP | Ø53×65mm | 20 | 500 | Bluk Pack       |                         | 071-06014     |
| KJ517-1 | 60mL  | PP | Ø49×57mm | 1  | 300 | Individual Pack | STERILE EO or STERILE R | 071-06023     |
|         | 60mL  | PP | Ø49×57mm | 20 | 600 | Bluk Pack       |                         | 071-06024     |
| KJ524-3 | 40mL  | PS | Ø42×59mm | 20 | 500 | Bluk Pack       |                         | 071-04013     |
| KJ525   | 60mL  | PP | Ø43×68mm | 1  | 500 | Individual Pack | STERILE EO or STERILE R | 071-06033     |
|         | 60mL  | PP | Ø43×68mm | 20 | 500 | Bluk Pack       |                         | 071-06034     |
| KJ524-5 | 40mL  | PP | Ø43×62mm | 20 | 500 | Individual Pack | STERILE EO or STERILE R | 071-04073     |

\*Typical dimensions for reference only. Actual product may vary.



## Urine Container



| REF     |       | MAT | *        |     |       |                                                                   | Original REF. |
|---------|-------|-----|----------|-----|-------|-------------------------------------------------------------------|---------------|
| KJ531   | 90mL  | PP  | Ø58×67mm | 1   | 300   | Individual Pack <span>STERILE EO</span> or <span>STERILE R</span> | 071-09013     |
| KJ532   | 120mL | PP  | Ø59×88mm | 1   | 250   | Individual Pack <span>STERILE EO</span> or <span>STERILE R</span> | 071-12023     |
|         | 120mL | PP  | Ø59×88mm |     | 250   | Bluk Pack                                                         | 071-12020     |
| KJ516   | 40mL  | PVC | Ø78×36mm | 500 | 10000 | Transparen                                                        | 071-04034     |
|         | 40mL  | PVC | Ø78×36mm | 500 | 10000 | White                                                             | 071-04044     |
| KJ517-2 | 40mL  | PP  | Ø48×47mm | 40  | 800   | Snap Cap <span>STERILE EO</span>                                  | 071-04055     |
|         | 40mL  | PP  | Ø48×47mm | 40  | 800   | Snap Cap                                                          | 071-04054     |
| KJ517-3 | 40mL  | PP  | Ø48×47mm | 40  | 800   | Snap Cap+Label                                                    | 071-04064     |
| KJ517-5 | 40mL  | PP  | Ø48×45mm | 40  | 800   | Hinged snap cap+Label                                             | 071-04083     |
| KJ524   | 30mL  | PS  | Ø31×93mm | 50  | 500   | Double-shot molding Cap                                           | 071-03014     |
| KJ529   | 30mL  | PS  | Ø31×94mm | 50  | 500   | Double-shot molding Cap                                           | 071-03024     |
| KJ530   | 30mL  | PP  | Ø31×94mm | 50  | 500   | Double-shot molding Cap                                           | 071-03034     |

\*Typical dimensions for reference only. Actual product may vary.



## Dual-Chamber Specimen Collection & Processing System

This product is intended for specimen collection and pre-treatment of fecal samples for routine stool examination, FOB testing, microbiological assays, rotavirus detection, and other custom-developed test items. Scientific structure and humanized design prevents medical staff and the environment from being polluted during specimen collection and pre-treatment. Integrated sealing method makes the operation easier and safer. It is the ideal consumable used in clinical labs which will make the test result more accurate.

- ◆ It is composed of preserving liquid tube(with diluents inside), snappable stick, connection part, sealing screw cap, Sampling tip and specimen diluting tube, etc.
- ◆ The integrated sealing design ensures the pre-treatment done in a completely sealed container. Easy, convenient, and safe.
- ◆ The multi-groove design can make the specimen collection standardized and quantified.
- ◆ The sampling stick is strong for sampling without deformation.
- ◆ Made of superior PE material, the preserving liquid tube has proper thickness with good elasticity.
- ◆ The snappable stick in the preserving liquid tube is hollow, can be easily broken off with pressing it at a 30° angle. 2mL diluent will flow into the diluting tube smoothly.
- ◆ E.O. or radiation sterile available.



| REF     |  | MAT |  * |  |  |  | Original REF. |
|---------|-------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ534   | Pre-set 2.5mL<br>Normal saline                                                      | PP  | Ø25×125mm                                                                             | 100                                                                                 | 1000                                                                                | Slot-type sampling tip                                                                | 072-12514     |
|         |                                                                                     |     | Ø25×125mm                                                                             | 100                                                                                 | 1000                                                                                | Slot-type sampling tip <span>STERILE EO</span> or <span>STERILE R</span>              | 072-12515     |
| KJ534-2 |                                                                                     |     | Ø24×127mm                                                                             | 100                                                                                 | 1000                                                                                | Scoop sampling tip with filter                                                        | 072-12516     |
|         |                                                                                     |     | Ø24×127mm                                                                             | 100                                                                                 | 1000                                                                                | Scoop sampling tip with filter <span>STERILE EO</span> or <span>STERILE R</span>      | 072-12517     |
| KJ534-1 |                                                                                     |     | Ø25×170mm                                                                             | 100                                                                                 | 1000                                                                                | Cotton sampling tip                                                                   | 072-17014     |
|         |                                                                                     |     | Ø25×170mm                                                                             | 100                                                                                 | 1000                                                                                | Cotton sampling tip <span>STERILE EO</span> or <span>STERILE R</span>                 | 072-17015     |

\*Typical dimensions for reference only. Actual product may vary.

### How to use



① Open the sampling device, hold the preserving liquid tube side and collect the sample to fill the groove. Attention: Specimen and its volume should meet the request of the test.



② Put the sampling stick into the diluting tube and screw on the sealing cap tightly to finish the sampling.



③ The test staff needs to hold the collector and press the middle part of the preserving liquid tube to break off the snappable stick. Gently squeeze the tube and make the diluent flow into the below diluting tube completely.



④ Gently shake the sampling device in order to make the specimen separated from the sampling tip and mix completely with the diluents.



⑤ Take off the yellow sealing cap on the diluting tube and gently squeeze the preserving liquid tube. The mixed liquid will flow out from the liquid nozzle, thus to finish pre-treatment work.

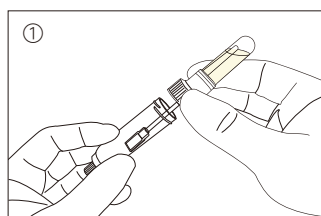


## Stool DNA Preservation Tube

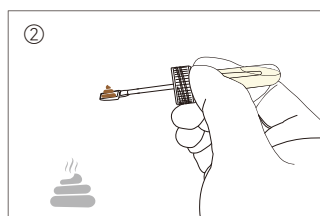
The product consists of a fecal collection tube (or device) pre-filled with DNA preservation solution. Each tube can preserve up to 0.5 g of fecal sample. The solution stably preserves host and microbial DNA in feces for at least 60 days at room temperature, and can be stored long-term at -20 °C and -80 °C. It also effectively prevents changes in microbial composition during room-temperature storage. This product is easy to use and is widely applicable for collection and preservation of fecal samples at room temperature in hospitals, research institutes, households, and other settings.

- ◆ Convenient storage: Allows collection and preservation of fecal samples at room temperature, protects host and microbial DNA from degradation, and prevents microbial contamination.
- ◆ Simple sampling: Use the spoon attached to the tube cap (or collection processor) to directly scoop a fecal sample, then immerse and mix it thoroughly in the room-temperature preservation solution.
- ◆ Broad downstream compatibility: DNA extracted from the preservation solution is suitable for various downstream genetic tests, including PCR, microarray analysis, and next-generation sequencing (NGS).
- ◆ Sterile design: Both the preservation tube and the collection spoon are sterile, minimizing contamination of samples by microorganisms or their residual DNA from the consumables.
- ◆ Wide application: Suitable for fecal sample collection and preservation at room temperature in hospitals, households, universities, research institutes, and other settings.

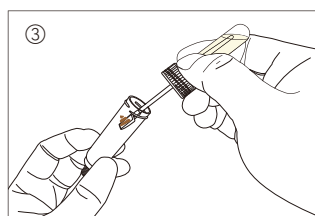
### Instructions for KJ534-4



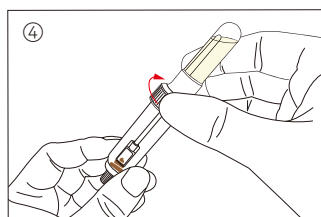
① Unscrew the sampler as shown.



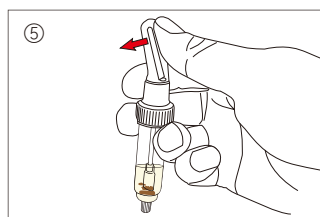
② Use the small spatula to collect approximately 0.5g of fresh fecal sample.



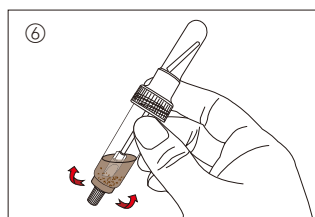
③ Quickly place the fecal sample into the tube.



④ Tighten the sampler.



⑤ Snap off the break rod as shown, allowing the DNA preservation solution to flow completely into the lower tube through the diversion hole.

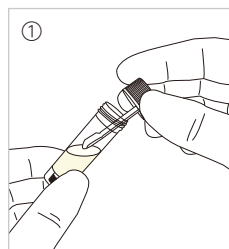


⑥ Shake repeatedly to thoroughly mix the fecal sample with the DNA preservation solution, completing the collection.

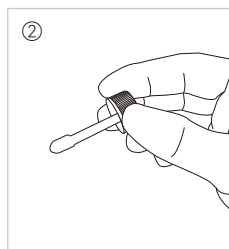


KJ534-4

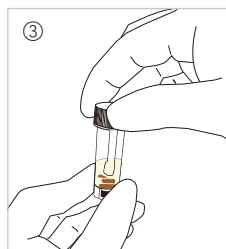
### Instructions for KJ524-15



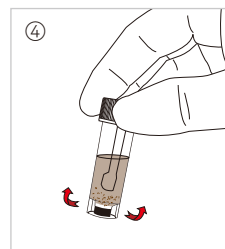
① Unscrew the preservation tube.



② Use the spoon attached to the tube cap to scoop approximately 0.5g of fresh feces.



③ Place the fecal sample into the preservation tube and tighten the cap.



④ Shake the tube repeatedly to thoroughly mix the fecal sample with the DNA preservation solution, completing the collection.



KJ524-15

| REF      | MAT | *<br>mm |                                 | STERILE   |     |      | i                                          | Original REF. |
|----------|-----|---------|---------------------------------|-----------|-----|------|--------------------------------------------|---------------|
| KJ534-4  | PP  | Ø24×127 | DNA Preservation Solution 2.5mL | STERILE R | 100 | 1000 | Stool DNA Collection Processor (w/ Filter) | 071-12518     |
| KJ524-15 | PP  | Ø16×58  | DNA Preservation Solution 3mL   | STERILE R | 200 | 2000 | Stool DNA Preservation Tube (w/ QR Code)   | 071-01516     |

\*Typical dimensions for reference only. Actual product may vary.



## Stool Container

- The fecal specimen cup is mainly made of medical-grade PP (Polypropylene) or PS (Polystyrene). The PP specimen cup can withstand a high temperature of 121 °C and autoclaving without deformation. Designs with various styles, capacities and cup lid colors are available to meet the requirements of different specimen collection and experimental applications.
- The sampling spoon is integrally injection-molded with the cup lid, ensuring more reliable stool sample collection. The large-area frosted surface facilitates writing and marking by laboratory personnel.
- The product features excellent sealing performance, which effectively prevents specimen leakage and contamination, facilitates specimen storage and transportation, avoids contact between patients/medical staff and the specimen, and guarantees safety and reliability.
- Customized labels are available according to customer requirements.
- Optional sterilization methods are supported: Ethylene Oxide (EO) sterilization, irradiation sterilization, or non-sterilized.



| REF      |      | MAT | *        |     |      |                                                                   | Original REF. |
|----------|------|-----|----------|-----|------|-------------------------------------------------------------------|---------------|
| KJ513-1  | 30mL | PP  | Ø39×29mm | 100 | 1200 | Snap cap, Black cup                                               | 072-03014     |
| KJ514    |      |     |          | 100 | 1200 | Snap cap, White cup                                               | 072-03024     |
| KJ515    | 60mL | PP  | Ø49×57mm | 1   | 300  | Individual Pack <span>STERILE EO</span> or <span>STERILE R</span> | 072-06013     |
|          |      |     |          | 20  | 500  | Bulk Pack                                                         | 072-06014     |
| KJ515-1  | 60mL | PP  | Ø53×64mm | 1   | 300  | Individual Pack <span>STERILE EO</span> or <span>STERILE R</span> | 072-06023     |
|          |      |     |          | 20  | 300  | Bulk Pack                                                         | 072-06024     |
| KJ524-4  | 40mL | PS  | Ø42×59mm | 20  | 500  | Integrated cap and spoon injection molding                        | 072-04044     |
| KJ524-12 | 40mL | PP  | Ø38×62mm | 20  | 500  | Bulk Pack                                                         | 072-04025     |
| KJ524-13 | 40mL | PS  | Ø42×59mm | 20  | 500  | Bulk Pack                                                         | 072-04014     |
| KJ526    | 40mL | PP  | Ø43×68mm | 1   | 500  | Individual Pack <span>STERILE EO</span> or <span>STERILE R</span> | 072-04023     |
|          |      |     |          | 20  | 500  | Bulk Pack                                                         | 072-04024     |
| KJ529-1  | 40mL | PP  | Ø48×47mm | 40  | 800  | White Cup, Blue Snap Cap                                          | 072-04034     |

\*Typical dimensions for reference only. Actual product may vary.



## Stool Container



KJ529-2



KJ523



KJ523-2



KJ524-6



KJ524-11



KJ524-14



KJ524-7



KJ524-10



KJ542

Bottom with  
2D barcode



KJ743

| REF      |      | MAT | *          |     |      |                                                                  | Original REF. |
|----------|------|-----|------------|-----|------|------------------------------------------------------------------|---------------|
| KJ529-2  | 60mL | PS  | Ø49×57mm   | 35  | 420  | Integrated cap and spoon injection molding                       | 072-06034     |
| KJ523    | 30mL | PS  | Ø30×90mm   | 50  | 800  |                                                                  | 072-03034     |
| KJ523-2  | 30mL | PS  | Ø30×90mm   | 50  | 800  | Integrated cap and spoon injection molding                       | 072-03044     |
| KJ524-6  | 5mL  | PP  | Ø16×72mm   | 250 | 2500 |                                                                  | 072-00524     |
| KJ524-11 | 5mL  | PP  | Ø13.5×64mm | 300 | 3000 | Integrated cap and spoon injection molding                       | 072-00534     |
| KJ524-14 | 5mL  | PP  | Ø16×58.4mm | 200 | 2000 | Integrated cap and spoon injection molding<br>Printed Graduation | 072-00535     |
| KJ524-7  | 10mL | PS  | Ø32×75mm   | 50  | 800  | Integrated cap and spoon injection molding                       | 072-01014     |
| KJ524-10 | 15mL | PP  | Ø21×80mm   | 50  | 800  | Integrated cap and spoon injection molding                       | 072-03064     |
| KJ542    | 5mL  | PP  | Ø16×58mm   | 50  | 800  | Integrated cap and spoon injection molding                       | 072-01515     |
| KJ743    | 10mL | PS  | Ø9×75mm    | 100 | 1000 | Anorectal stool collector <b>STERILE R</b>                       | 072-01035     |

\*Typical dimensions for reference only. Actual product may vary.





## Sputum Container

- Main material: medical-grade polypropylene (PP) / polystyrene (PS). PP cups withstand autoclaving at 121 °C without deformation. Available in multiple styles, capacities and lid colors for diverse specimen collection and laboratory needs.
- Lid fitted with leak-proof gasket to prevent specimen leakage & contamination, for easy storage and transportation.
- Custom screen-printed volume graduations and labels available on request.
- Sterilization options: Ethylene Oxide (EO), irradiation.



| REF     | MAT | *        |      |    |     |                                                                    | Original REF. |
|---------|-----|----------|------|----|-----|--------------------------------------------------------------------|---------------|
| KJ518   | PS  | Ø42×59mm | 40mL | 1  | 500 | Individual Pack, <span>STERILE EO</span> or <span>STERILE R</span> | 073-04013     |
|         |     |          |      | 20 | 500 | Bluk Pack                                                          | 073-04014     |
| KJ518-2 | PP  | Ø43×68mm | 60mL | 1  | 500 | Individual Pack, <span>STERILE EO</span> or <span>STERILE R</span> | 073-06013     |
|         |     |          |      | 20 | 500 | Bluk Pack                                                          | 073-06014     |
| KJ518-3 | PS  | Ø30×86mm | 25mL | 50 | 500 |                                                                    | 073-02514     |
| KJ518-4 | PP  | Ø30×86mm | 25mL | 50 | 500 |                                                                    | 073-02534     |
| KJ519-6 | PS  | Ø30×84mm | 25mL | 50 | 500 | Printed Graduation                                                 | 073-02544     |
| KJ518-1 | PS  | Ø43×25mm | 20mL | 50 | 800 |                                                                    | 073-02014     |
| KJ519   | PP  | Ø55×32mm | 30mL | 20 | 500 |                                                                    | 073-03014     |
| KJ519-1 | PP  | Ø48×47mm | 40mL | 40 | 800 |                                                                    | 073-04034     |
| KJ519-2 | PP  | Ø45×33mm | 20mL | 50 | 800 |                                                                    | 073-02024     |

\*Typical dimensions for reference only. Actual product may vary.



## Saliva (Sputum) DNA Sample Collection Kit

Compared with blood-based DNA sample collection, saliva (sputum) DNA sample collection offers a non-invasive, pain-free alternative for DNA acquisition. It causes no discomfort to sample donors and is highly acceptable, thus maximizing the sampling scope for genetic research, and is particularly suitable for large-scale population surveys in molecular epidemiology. Saliva (sputum) DNA samples can be stored for years at room temperature, and are environmentally friendly and easy to transport.

The Saliva (Sputum) DNA Sample Collection Kit consists of a collection funnel and a DNA sample preservation tube, ensuring stable preservation of saliva (sputum) DNA samples. The DNA preservation solution pre-filled in the tube rapidly inhibits nucleases in saliva and stabilizes saliva (sputum) DNA. DNA samples in the preservation tube can be stored and transported for up to 1 year at room temperature. The extracted DNA is compatible with a wide range of downstream genetic assays, including PCR, microarray analysis, and Next-Generation Sequencing (NGS).

- ① The collection funnel is mainly manufactured from medical-grade polystyrene (PS) for saliva (sputum) collection. The DNA sample preservation tube is made of PET polymer material, pre-set with negative pressure and pre-filled with 1mL of DNA preservation solution, intended for the collection and preservation of saliva (sputum) samples.
- ② This product is suitable for the collection, preservation and transportation of DNA samples for hereditary disease screening, genomic testing and disease detection.
- ③ This product enables non-invasive sample collection with safe and convenient operation. Meanwhile, saliva samples have no contact with laboratory personnel and no contamination risk, and can be directly applied to automated detection without secondary sample transfer.
- ④ Manufactured in a cleanroom environment, DNase-free, RNase-free, and pyrogen-free.
- ⑤ Sterilization options: Ethylene Oxide (EO) or irradiation sterilization.



Red prohibition mark indicates the position of the suction hole.



Rectangular saliva specimen collection port and round suction hole.



A puncture needle is built in the suction hole. Non-specialized persons are prohibited from removing the upper label to avoid hand injury.



The lower suction head is sealed with the silicone gasket to the bottom of the suction hole to ensure that the saliva is completely sucked into the DNA sample preservation tube.



KJ535

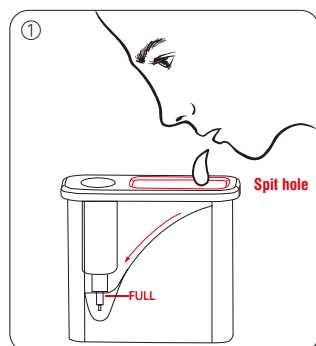


KJ535-1

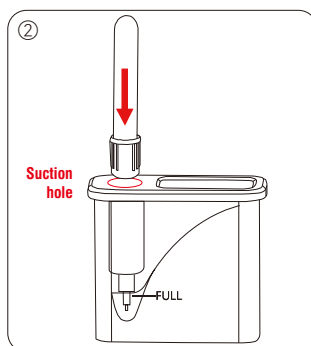
| REF     |                                |     |            |             |              |      |                                      | Original REF. |
|---------|--------------------------------|-----|------------|-------------|--------------|------|--------------------------------------|---------------|
| KJ535   | -                              | PS  | 75×35×65mm | Irradiation | 20           | 500  | Saliva container, bulk packed in bag |               |
| KJ535-1 | 1 mL DNA Preservation Solution | PET | Ø16×100mm  | Irradiation | 100 per rack | 1200 | Vacuum saliva collection tube        | 073-00015     |

\*Typical dimensions for reference only. Actual product may vary.

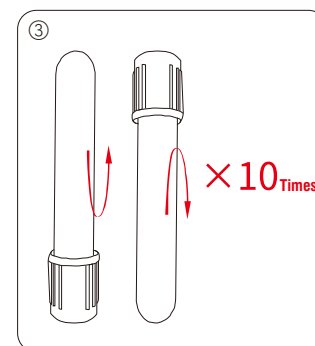
### How to use



① Rinse your mouth thoroughly with clean water before use. Then gently knead your cheeks to facilitate saliva secretion (This step is not required for sputum samples). Gently spit saliva (sputum) into the spit hole, and allow the saliva to flow along the diversion channel to the bottom "FULL" mark line (approx. 1 mL). Saliva foam is not included in the required volume.



② Insert the DNA preservation tube fully into the round suction hole with gentle force in the direction of the red arrow, and leave it in place for several seconds. Under the action of air negative pressure, saliva (sputum) will be pressed into the tube. Pull the tube upward after suction is complete.



③ Invert the DNA sample preservation tube with collected saliva (sputum) 10 times to ensure thorough mixing of the saliva (sputum) with the DNA preservation solution in the tube, and complete the sampling procedure.



## Saliva (Sputum) DNA Sample Collection Kit

This product can be directly used for the collection, preservation and transportation of saliva or sputum samples, and stabilizes the Cell-Free DNA (cfDNA) or virus samples therein via the preservation solution. It is applicable to molecular diagnostic assays (including but not limited to Polymerase Chain Reaction (PCR) or branched DNA (bDNA) amplification technology), virus detection, or other in vitro diagnostic (IVD) tests using saliva samples.

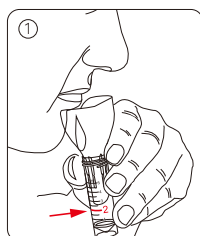
- This product consists of a saliva collector (collection funnel + sample collection tube), a sample collection tube cap, and a preservation solution tube (pre-filled with 2mL of cfDNA preservation solution or virus sample preservation solution).
- It enables the collection, preservation and transportation of cfDNA or virus samples in saliva specimens at room temperature.
- For virus sample collection, different virus sample preservation solutions can be customized, such as Viral Transport Medium (VTM, pink), inactivator-containing preservation solution (colorless), or normal saline.
- For DNA sample collection, the pre-filled DNA preservation solution is compatible with various DNA extraction and purification kits, and can stably preserve cfDNA for up to 24 months at room temperature.
- The collection procedure is painless and non-invasive, and supports self-collection at home with higher convenience.
- The collection funnel features an ergonomic design that fits the contour of the human mouth, ensuring easy operation. The cap is equipped with a leak-proof gasket for tight sealing and leakage prevention.
- The product can be customized to be DNase-free, Nase-free and pyrogen-free according to the application. Sterilization by Ethylene Oxide (EO) or irradiation is optional.



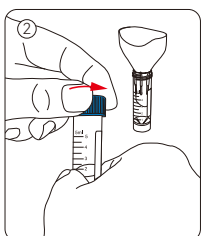
| REF     | Funnel      | Tube*           | Preservation Solution                                                   |     |                                                                | Original REF. |
|---------|-------------|-----------------|-------------------------------------------------------------------------|-----|----------------------------------------------------------------|---------------|
| KJ536-3 | Thread type | 5mL, Ø16×60mm   | Normal saline<br>Optional: Non-inactivated medium<br>Inactivated medium | 200 | Used for virus sample collection.                              | 073-00125     |
| KJ536-4 | Insert type | 5mL, Ø16×60mm   |                                                                         | 200 |                                                                | 073-01125     |
| KJ536-5 | Insert type | 7mL, Ø13×84mm   |                                                                         | 200 |                                                                | 073-01127     |
| KJ536-6 | Insert type | 10mL, Ø16×100mm |                                                                         | 200 |                                                                | 073-11510     |
| KJ536   | Thread type | 5mL, Ø16×60mm   | DNA preservation solution 2mL                                           | 200 | Used for molecular diagnosis, DNA genetic identification, etc. | 073-00025     |
| KJ537   | Insert type | 5mL, Ø16×60mm   |                                                                         | 200 |                                                                | 073-01025     |
| KJ536-1 | Insert type | 7mL, Ø13×84mm   |                                                                         | 200 |                                                                | 073-01027     |
| KJ536-2 | Insert type | 10mL, Ø16×100mm |                                                                         | 200 |                                                                | 073-10510     |

\*Typical dimensions for reference only. Actual product may vary.

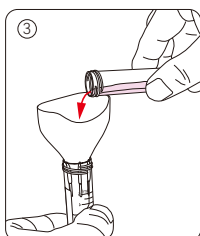
### How to use



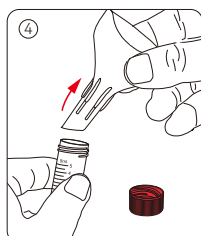
① Clean the mouth with clean water before use, and gently spit 2mL of saliva into the collection funnel (the volume does not contain saliva foam).



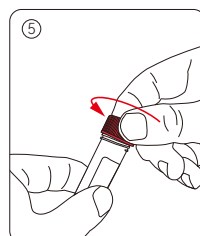
② Place the saliva collection tube to keep it upright, and unscrew the cap of the preservation tube.



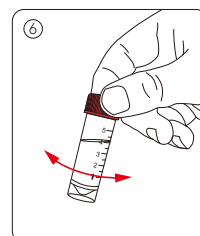
③ Gently pour the medium from the preservation tube into the funnel.



④ Pull out the funnel, properly dispose the waste funnel and empty preservation tube.



⑤ Tighten the collection tube with the replacing cap.



⑥ Shake the collection tube repeatedly and mix the saliva and preservation medium completely.



## Tubes for antigen specimen testing

The disposable antigen release tubes are used for the detection of new coronavirus antibody (IgM antibody) with colloidal gold test strip for rapid test, which is convenient and fast to get the test results in about 10-15 minutes.

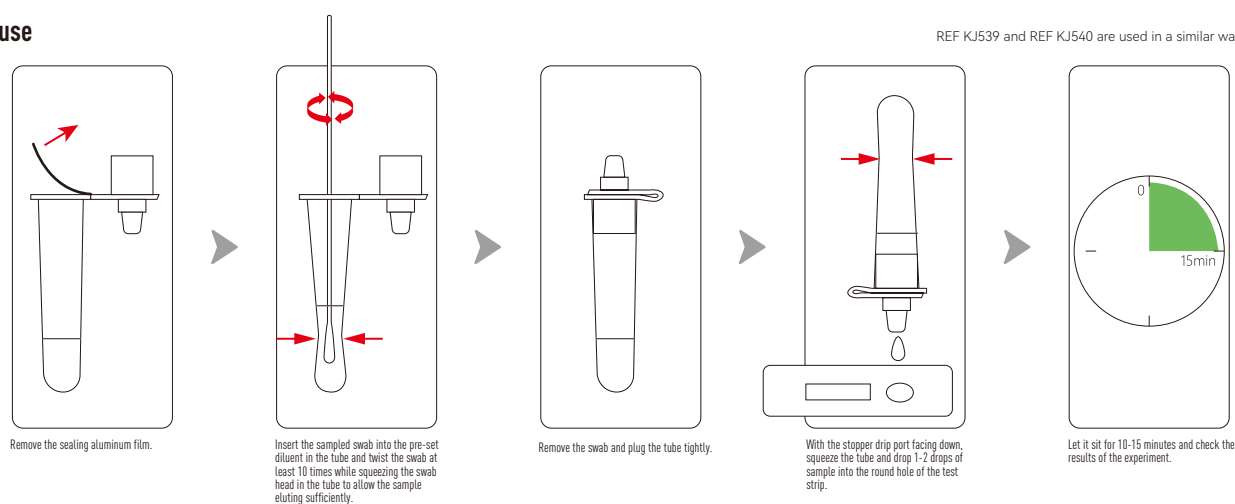
- Adopting medical grade PE raw materials and produce in cleaning room, good flexibility, smooth inner and outer surface, no scratches, no deformation, corrosion resistance.
- Good sealing and no liquid leakage: high precision molding, mature technology, excellent fit between cap and body threads, no slippery teeth.
- Customized specifications: 3ML and 5ML are available, and the cap color can be customized.
- Low variability of drop volume: squeeze bottle, drop volume is controlled at  $25\mu\text{L}\pm 5\mu\text{L}$  to ensure accurate and valid results.
- DNase free, RNase free, No pyrogen.



| REF   | MAT | *<br>Size | *<br>Volume | *<br>Drop Volume | *<br>Cap Volume      | *<br>Tube Volume        | *<br>Cap Volume                | *<br>Tube Volume | Original REF. |
|-------|-----|-----------|-------------|------------------|----------------------|-------------------------|--------------------------------|------------------|---------------|
| KJ538 | PE  | 9×61mm    | 3mL         | 25μL±5μL         | 1000                 | 500                     | Drip tip is hinged to the tube |                  | 074-0302      |
| KJ539 | PE  | 9×80mm    | 3mL         | 25μL±5μL         | Cap: 2000 Tube: 1000 | Cap: 10000 Tube: 10000  | Cap and tube separate          |                  | 074-0301      |
| KJ540 | PE  | 13×78mm   | 5mL         | 25μL±5μL         | Cap: 2000 Tube: 1000 | Cap: 10000, Tube: 10000 |                                |                  | 074-0501      |

\*Typical data for reference only. Actual product may vary.

### How to use



# LIQUID HANDLING

# 08



|                                       |         |
|---------------------------------------|---------|
| → Pipette Tip                         | 86-88   |
| → Pipette Tip Box                     | 89      |
| → Pyrogen-free Universal Pipette Tips | 90-91   |
| → Pipette tip for Automatic System    | 92-94   |
| → Pipettor & Reagent Reservoir        | 95      |
| → Transfer Pipette                    | 96-99   |
| → Serological Pipette                 | 100-102 |





## Pipette Tip

- ◆ The pipette tip is made of medical grade polypropylene (PP) raw material. Excellent molding process guarantee each tips straight, no bending and deformation, with high quality and precision.
- ◆ The inner surface of the low residue tip is treated by coating process, which has super hydrophobicity. Almost no sample liquid retains in the pipette tip during liquid release.
- ◆ Filtered tips prevent aerosol cross-contamination between pipette and sample.
- ◆ The optimized shape of the medical tips is designed for versatility and is perfectly adapted to pipettes like Gilson, TECAN, Eppendorf, Thermo (Finn), Keeven, Hamilton, DLab and other well-known brands at home and abroad.
- ◆ General grade and PCR grade are available according to different requirements. Produced in 100,000 class clean room, up to PCR clean grade, Free of DNAase, RNAase, pyrogen.

### Three packaging methods



Bagged pack



Boxed pack



Stacked pack



KJ401



KJ403



KJ404



KJ417-1



KJ403-1



KJ418-1

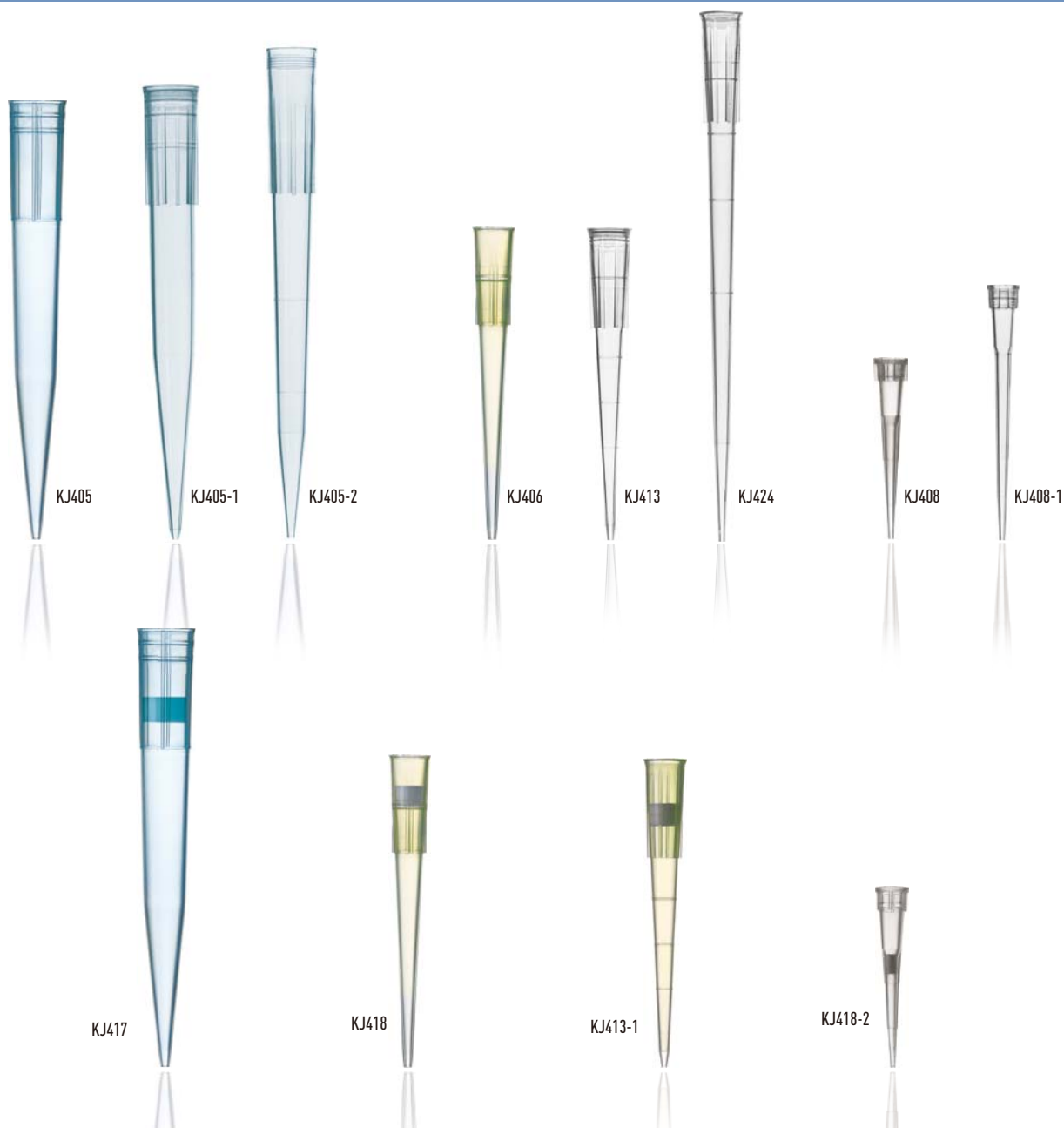
| REF     | MAT | *<br>Ruler | Pipette | Box  | Box | Box    | Info                                                                              | Original REF. |
|---------|-----|------------|---------|------|-----|--------|-----------------------------------------------------------------------------------|---------------|
| KJ401   | PP  | Ø8×70mm    | 1000µL  | 500  | -   | 10000  | Tip for Eppendorf                                                                 | 121-01801     |
| KJ403   | PP  | Ø6×48mm    | 200µL   | 1000 | -   | 20000  | Tip for Eppendorf                                                                 | 121-01401     |
| KJ404   | PP  | Ø5×46mm    | 10µL    | 1000 | -   | 50000  | Tip for Eppendorf                                                                 | 121-01101     |
| KJ417-1 | PP  | Ø8×70mm    | 1000µL  | -    | 100 | 100×50 | Boxed filter tips for Eppendorf <span>STERILE EO</span> or <span>STERILE R</span> | 121-01802     |
| KJ403-1 | PP  | Ø6×48mm    | 200µL   | -    | 96  | 96×50  | Boxed filter tips for Eppendorf <span>STERILE EO</span> or <span>STERILE R</span> | 121-01402     |
| KJ418-1 | PP  | Ø5×46mm    | 10µL    | -    | 96  | 96×50  | Boxed filter tips for Eppendorf <span>STERILE EO</span> or <span>STERILE R</span> | 121-01102     |

\*Typical dimensions for reference only. Actual product may vary.





## Pipette Tip

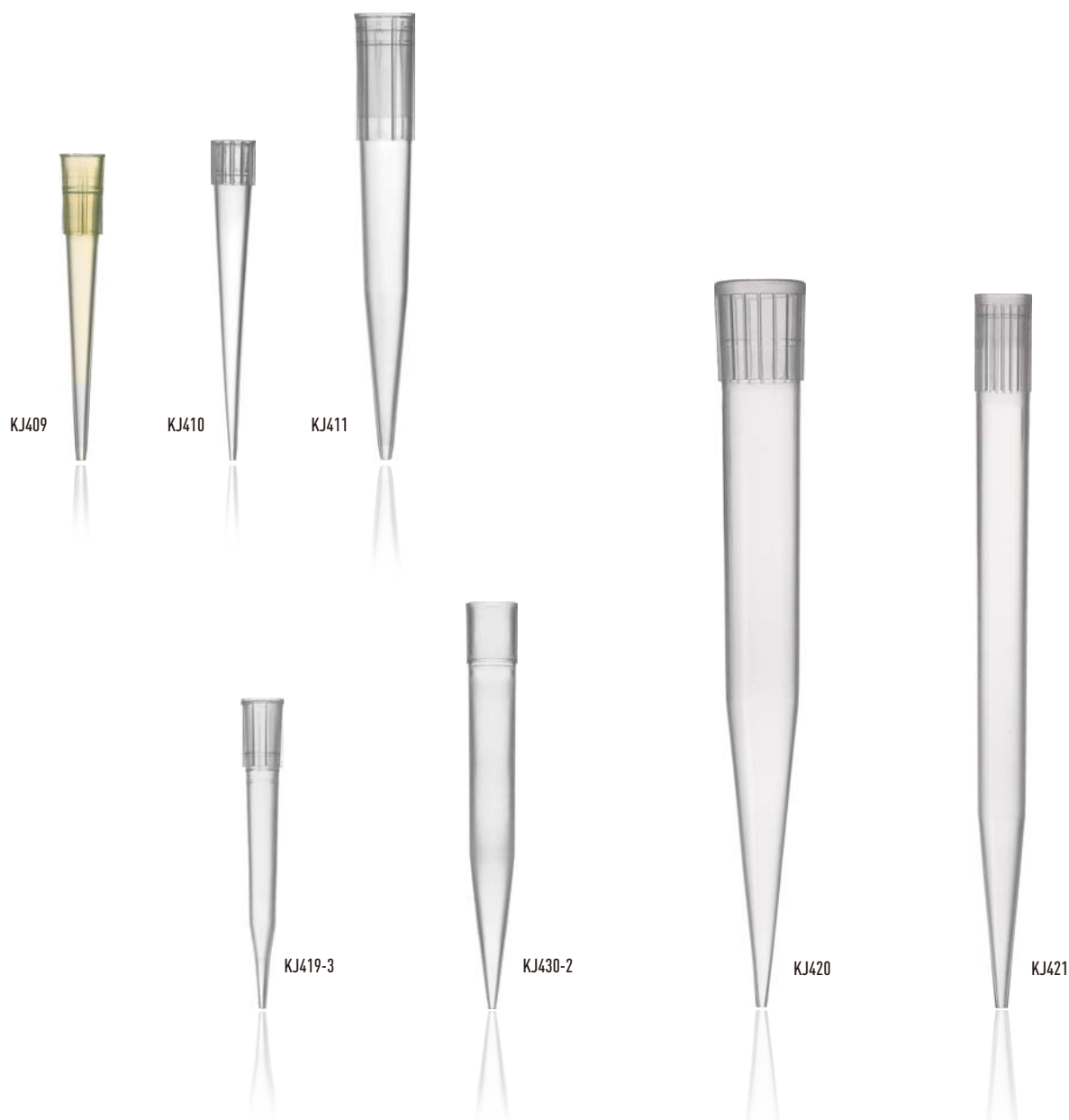


| REF     | MAT | *       |        |      |     |        |                                            | Original REF. |
|---------|-----|---------|--------|------|-----|--------|--------------------------------------------|---------------|
| KJ405   | PP  | Ø8×71mm | 1000μL | 500  | -   | 10000  | Universal tip                              | 121-02801     |
| KJ405-1 | PP  | Ø8×78mm | 1000μL | 500  | -   | 10000  | Universal tip                              | 121-02803     |
| KJ405-2 | PP  | Ø8×87mm | 1000μL | 500  | -   | 10000  | Universal tip                              | 121-02804     |
| KJ406   | PP  | Ø6×52mm | 200μL  | 1000 | -   | 20000  | Universal tip                              | 121-02401     |
| KJ413   | PP  | Ø6×52mm | 200μL  | 1000 | -   | 20000  | Universal tip, with graduation             | 121-02101     |
| KJ424   | PP  | Ø6×90mm | 200μL  | 1000 | -   | 20000  | Universal tip, with graduation             | 121-15401     |
| KJ408   | PP  | Ø5×32mm | 10μL   | 1000 | -   | 50000  | Universal tip                              | 121-02802     |
| KJ408-1 | PP  | Ø5×45mm | 10μL   | 1000 | -   | 50000  | Universal tip                              | 121-02104     |
| KJ417   | PP  | Ø8×71mm | 1000μL | -    | 100 | 100×50 | Universal filter tips  or                  | 121-02402     |
| KJ418   | PP  | Ø6×52mm | 200μL  | -    | 96  | 96×50  | Universal filter tips  or                  | 121-02102     |
| KJ413-1 | PP  | Ø6×52mm | 200μL  | -    | 96  | 96×50  | Universal filter tips, with graduation  or | 121-03403     |
| KJ418-2 | PP  | Ø5×32mm | 10μL   | -    | 96  | 96×50  | Universal filter tips  or                  | 121-03401     |

\*Typical dimensions for reference only. Actual product may vary.



# Pipette Tip



| REF     | MAT | *         |        |      |       |                 | Original REF. |
|---------|-----|-----------|--------|------|-------|-----------------|---------------|
| KJ409   | PP  | Ø6×49mm   | 250µL  | 1000 | 20000 | Tip for Qiuqing | 121-04501     |
| KJ410   | PP  | Ø6×50mm   | 250µL  | 1000 | 20000 | Tip for Qiuqing | 121-04502     |
| KJ411   | PP  | Ø7.4×70mm | 1000µL | 500  | 10000 | Tip for Qiuqing | 121-04801     |
| KJ419-3 | PP  | Ø6×52mm   | 200µL  | 1000 | 20000 | Tip for D-LAB   | 121-05401     |
| KJ430-2 | PP  | Ø8×70mm   | 1000µL | 500  | 10000 | Tip for D-LAB   | 121-05801     |
| KJ420   | PP  | Ø13×147mm | 5mL    | 300  | 3000  | Tip for D-LAB   | 121-05901     |
| KJ421   | PP  | Ø9×146mm  | 5mL    | 300  | 3000  | Tip for Finn    | 121-03901     |

\*Typical dimensions for reference only. Actual product may vary.



## Pipette Tip Box



| REF     | MAT |  |  | Original REF. |
|---------|-----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ448   | PP  | 10µL                                                                                | 50Box                                                                                 | 122-16101     |
| KJ447   | PP  | 200µL                                                                               | 50Box                                                                                 | 122-16401     |
| KJ411-4 | PP  | 1000µL                                                                              | 50Box                                                                                 | 122-16801     |
| KJ422-1 | PP  | 5mL                                                                                 | 30Box                                                                                 | 122-16901     |
| KJ422-3 | PP  | 10mL                                                                                | 30Box                                                                                 | 122-16001     |



## Pyrogen-free Universal Pipette Tips

- ◆ The pipette tips are made of medical-grade polypropylene by advanced production techniques. Straight without any bending or deformation, ensuring high quality and handling precision.
- ◆ Produced in a ISO Class 6 cleanroom, these pipette tips meet high cleanliness requirements to ensure superior purity and quality, and are free of DNase, RNase, and pyrogens.
- ◆ KANGJIAN® pipette tips feature a universally compatible design, perfectly fitting pipettors from a variety of well-known brands.
- ◆ The tips with filters prevent aerosol cross-contamination between the pipettor and samples.
- ◆ Available in multiple packaging options, including bulk pack bags, specialized tip boxes, multi-layer stacking.



| REF     |                 | L*   | Bagged | Boxed | Stacked |       |                                         | Original REF. |
|---------|-----------------|------|--------|-------|---------|-------|-----------------------------------------|---------------|
| KJ415   | 10μL            | 32mm | 1000   | -     | -       | 50000 | Colorless, Bagged                       | 123-15101     |
| KJ415-2 | 10μL            | 32mm | -      | 96    | -       | 4800  | Colorless, Boxed                        | 123-15102     |
| KJ415-3 | 10μL            | 32mm | 1000   | -     | -       | 50000 | Colorless with Filter, Bagged           | 123-15103     |
| KJ415-4 | 10μL            | 32mm | -      | 96    | -       | 4800  | Colorless with Filter, Boxed            | 123-15104     |
| KJ415-5 | 10μL            | 32mm | -      | -     | 96×10   | 9600  | Colorless, Stacked                      | 123-15109     |
| KJ455   | 10μL (Extended) | 46mm | 1000   | -     | -       | 50000 | Colorless, Bagged                       | 123-15105     |
| KJ455-1 | 10μL (Extended) | 46mm | -      | 96    | -       | 4800  | Colorless , Boxed                       | 123-15106     |
| KJ455-2 | 10μL (Extended) | 46mm | 1000   | -     | -       | 50000 | Colorless with Filter, Bagged           | 123-15107     |
| KJ455-3 | 10μL (Extended) | 46mm | -      | 96    | -       | 4800  | Colorless with Filter, Boxed            | 123-15108     |
| KJ414   | 200μL           | 51mm | 1000   | -     | -       | 20000 | Yellow or colorless, Bagged             | 123-15401     |
| KJ414-3 | 200μL           | 51mm | -      | 96    | -       | 4800  | Yellow or colorless, Boxed              | 123-15402     |
| KJ414-4 | 200μL           | 51mm | 1000   | -     | -       | 20000 | Yellow or colorless with Filter, Bagged | 123-15403     |
| KJ414-5 | 200μL           | 51mm | -      | 96    | -       | 4800  | Yellow or colorless with Filter, Boxed  | 123-15404     |
| KJ414-6 | 200μL           | 51mm | -      | -     | 96×10   | 9600  | Colorless, Stacked                      | 123-15409     |

\*Typical dimensions for reference only. Actual product may vary.



## Pyrogen-free Universal Pipette Tips

| REF     |  |  L* |  Bagged |  Boxed |  Stacked |  |  | Original REF. |
|---------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|
| KJ454   | 200µL                                                                             | 60mm                                                                                 | 1000                                                                                     | -                                                                                       | -                                                                                         | 20000                                                                              | Colorless, Bagged                                                                   | 123-15405     |
| KJ454-1 | 200µL                                                                             | 60mm                                                                                 | -                                                                                        | 96                                                                                      | -                                                                                         | 4800                                                                               | Colorless, Boxed                                                                    | 123-15406     |
| KJ454-2 | 200µL                                                                             | 60mm                                                                                 | 1000                                                                                     | -                                                                                       | -                                                                                         | 20000                                                                              | Colorless with Filter, Bagged                                                       | 123-15407     |
| KJ454-3 | 200µL                                                                             | 60mm                                                                                 | -                                                                                        | 96                                                                                      | -                                                                                         | 4800                                                                               | Colorless with Filter, Boxed                                                        | 123-15408     |
| KJ453   | 200µL (Extended)                                                                  | 89mm                                                                                 | 1000                                                                                     | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless, Bagged                                                                   | 123-15411     |
| KJ453-1 | 200µL (Extended)                                                                  | 89mm                                                                                 | -                                                                                        | 96                                                                                      | -                                                                                         | 4800                                                                               | Colorless, Boxed                                                                    | 123-15412     |
| KJ453-2 | 200µL (Extended)                                                                  | 89mm                                                                                 | 1000                                                                                     | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless with Filter, Bagged                                                       | 123-15413     |
| KJ453-3 | 200µL (Extended)                                                                  | 89mm                                                                                 | -                                                                                        | 96                                                                                      | -                                                                                         | 4800                                                                               | Colorless with Filter, Boxed                                                        | 123-15414     |
| KJ405-3 | 1000µL                                                                            | 71mm                                                                                 | 500                                                                                      | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless or Blue, Bagged                                                           | 123-15810     |
| KJ405-4 | 1000µL                                                                            | 71mm                                                                                 | -                                                                                        | 100                                                                                     | -                                                                                         | 5000                                                                               | Colorless or Blue, Boxed                                                            | 123-15811     |
| KJ405-5 | 1000µL                                                                            | 71mm                                                                                 | 500                                                                                      | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless or Blue with Filter, Bagged                                               | 123-15812     |
| KJ405-6 | 1000µL                                                                            | 71mm                                                                                 | -                                                                                        | 100                                                                                     | -                                                                                         | 5000                                                                               | Colorless or Blue with Filter, Boxed                                                | 123-15813     |
| KJ405-7 | 1000µL                                                                            | 71mm                                                                                 | -                                                                                        | -                                                                                       | 100×8                                                                                     | 8000                                                                               | Colorless or Blue, Stacked                                                          | 123-15814     |
| KJ412   | 1000µL                                                                            | 78mm                                                                                 | 500                                                                                      | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless or Blue, Bagged                                                           | 123-15801     |
| KJ412-2 | 1000µL                                                                            | 78mm                                                                                 | -                                                                                        | 100                                                                                     | -                                                                                         | 5000                                                                               | Colorless or Blue, Boxed                                                            | 123-15802     |
| KJ412-3 | 1000µL                                                                            | 78mm                                                                                 | 500                                                                                      | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless or Blue with Filter, Bagged                                               | 123-15803     |
| KJ412-4 | 1000µL                                                                            | 78mm                                                                                 | -                                                                                        | 100                                                                                     | -                                                                                         | 5000                                                                               | Colorless or Blue with Filter, Boxed                                                | 123-15804     |
| KJ412-5 | 1000µL                                                                            | 78mm                                                                                 | -                                                                                        | -                                                                                       | 100×8                                                                                     | 8000                                                                               | Colorless or Blue, Stacked                                                          | 123-15809     |
| KJ407   | 1000µL                                                                            | 87mm                                                                                 | 500                                                                                      | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless or Blue, Bagged                                                           | 123-15815     |
| KJ407-1 | 1000µL                                                                            | 87mm                                                                                 | -                                                                                        | 100                                                                                     | -                                                                                         | 5000                                                                               | Colorless or Blue, Boxed                                                            | 123-15816     |
| KJ407-2 | 1000µL                                                                            | 87mm                                                                                 | 500                                                                                      | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless or Blue with Filter, Bagged                                               | 123-15817     |
| KJ407-3 | 1000µL                                                                            | 87mm                                                                                 | -                                                                                        | 100                                                                                     | -                                                                                         | 5000                                                                               | Colorless or Blue with Filter, Boxed                                                | 123-15818     |
| KJ407-4 | 1000µL                                                                            | 87mm                                                                                 | -                                                                                        | -                                                                                       | 100×8                                                                                     | 8000                                                                               | Colorless or Blue, Stacked                                                          | 123-15819     |
| KJ462   | 1250µL (Extended)                                                                 | 102mm                                                                                | 1000                                                                                     | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless, Bagged                                                                   | 123-15805     |
| KJ462-1 | 1250µL (Extended)                                                                 | 102mm                                                                                | -                                                                                        | 96                                                                                      | -                                                                                         | 4800                                                                               | Colorless, Boxed                                                                    | 123-15806     |
| KJ462-2 | 1250µL (Extended)                                                                 | 102mm                                                                                | 1000                                                                                     | -                                                                                       | -                                                                                         | 10000                                                                              | Colorless with Filter, Bagged                                                       | 123-15807     |
| KJ462-3 | 1250µL (Extended)                                                                 | 102mm                                                                                | -                                                                                        | 96                                                                                      | -                                                                                         | 4800                                                                               | Colorless with Filter, Boxed                                                        | 123-15808     |

\*Typical dimensions for reference only. Actual product may vary.



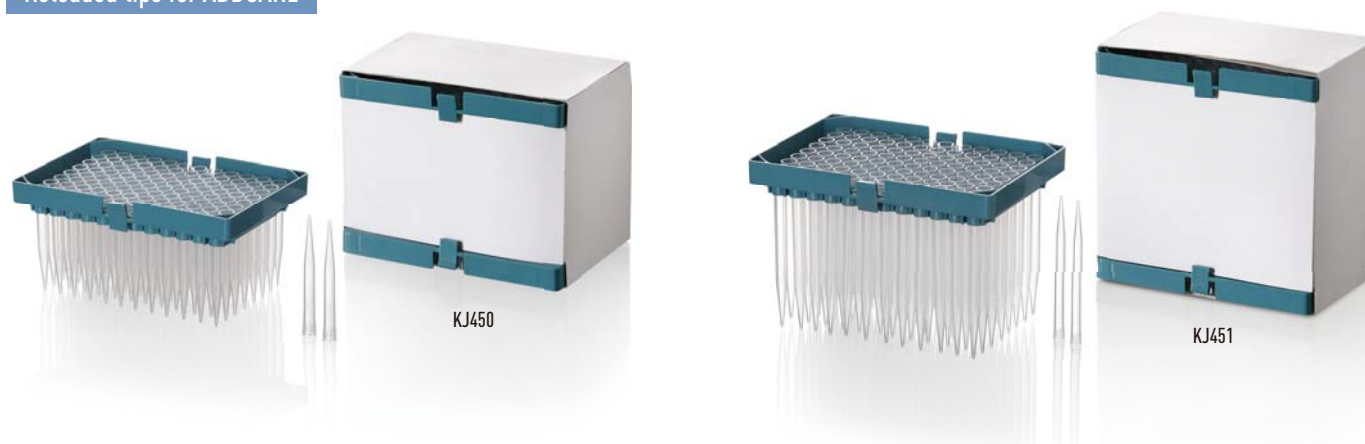
## Pipette tip for Automatic System

- These tips are designed for excellent liquid treatment result, Under strict quality control procedures to ensure consistency to get excellent tip straightness and reduced variation coefficient.
- The tips are produced in Class 100,000 clean workshop, made from imported polypropylene material. Each batch is strictly evaluated, DNase-free, RNase-free, pyrogen-free, Without endotoxin or PCR inhibitor.

### Reloaded tips for TECAN



### Reloaded tips for ADDCARE



| REF     |        | *            | Paper box | Inner box  | Outer carton | For TECAN automatic system<br>96 PCS Clear tips + 96 PCS Conductive tips | Original REF. |
|---------|--------|--------------|-----------|------------|--------------|--------------------------------------------------------------------------|---------------|
| KJ449-2 | 200µL  | 127×88×95mm  | 96+96 PCS | [96+96]×12 | [96+96]×12×4 | For TECAN automatic system<br>96 PCS Clear tips + 96 PCS Conductive tips | 124-07401     |
| KJ449-3 | 1000µL | 127×88×159mm | 96+96 PCS | [96+96]×12 | [96+96]×12×4 | For TECAN automatic system<br>96 PCS Clear tips + 96 PCS Conductive tips | 124-07801     |
| KJ450   | 300µL  | 125×82×96mm  | 192 PCS   | 192×12     | 192×12×4     | For ADDCARE automatic system<br>96+96 PCS Clear tip                      | 124-10601     |
| KJ451   | 800µL  | 125×82×126mm | 192 PCS   | 192×12     | 192×12×4     | For ADDCARE automatic system<br>96+96 PCS Clear tip                      | 124-10701     |

\*Typical dimensions for reference only Actual product may vary





## Pipette tip for Automatic System

### Boxed tips for TECAN



KJ441



KJ442



KJ443



KJ444

### Boxed tips for AGILENT



KJ445

### Boxed tips for BECKMAN



KJ446

| REF   |  |  |  |  | Original REF. |
|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ441 | 200µL                                                                               | 96                                                                                  | 50                                                                                  | Boxed conductive tips for TECAN                                                       | 124-07402     |
| KJ442 | 1000µL                                                                              | 96                                                                                  | 50                                                                                  | Boxed conductive tips for TECAN                                                       | 124-07802     |
| KJ443 | 200µL                                                                               | 96                                                                                  | 50                                                                                  | Boxed tips for TECAN                                                                  | 124-07403     |
| KJ444 | 1000µL                                                                              | 96                                                                                  | 50                                                                                  | Boxed tips for TECAN                                                                  | 124-07803     |
| KJ445 | 30µL                                                                                | 384                                                                                 | 50                                                                                  | Boxed tips for Agilent                                                                | 124-08201     |
| KJ446 | 250µL                                                                               | 96                                                                                  | 50                                                                                  | Boxed tips for Beckman                                                                | 124-09501     |



## Pipette tip for Automatic System

### Boxed tips for HAMILTON



| REF     |  |  |  |  | Original REF. |
|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ458   | 50µL                                                                                | 96                                                                                  | 50                                                                                  | 50ul Hamilton conductive tips<br>(Clear tip customizable)                             | 124-17051     |
| KJ459   | 300µL                                                                               | 96                                                                                  | 50                                                                                  | 300ul Hamilton conductive tips<br>(Clear tip customizable)                            | 124-17601     |
| KJ459-1 | 300µL                                                                               | 96                                                                                  | 50                                                                                  | 300ul Hamilton conductive tips, extended<br>(Clear tip customizable)                  | 124-17602     |
| KJ460   | 1000µL                                                                              | 96                                                                                  | 50                                                                                  | 1000ul Hamilton conductive tips                                                       | 124-17801     |
| KJ460-1 | 1000µL                                                                              | 96                                                                                  | 50                                                                                  | 1000ul Hamilton colorless tips                                                        | 124-17802     |



## Pipettor & Reagent Reservoir

**KJ411-1****KJ449****KJ411-2****KJ426-9****KJ426**

| REF            | MAT |  |  |  | Original REF.   |
|----------------|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
| <b>KJ411-1</b> | PVC | 250mL                                                                               | 800                                                                                 | Reagent reservoir                                                                     | <b>125-0001</b> |
| <b>KJ449</b>   | PP  | 10mL×10Channel                                                                      | Customized                                                                          | Multi-Channel Reagent reservoir                                                       | <b>125-0002</b> |
| <b>KJ411-2</b> | PP  | 3mL×12Channel                                                                       | Customized                                                                          | Multi-Channel Reagent reservoir<br>Screen printing serial number                      | <b>125-0003</b> |
| <b>KJ426-9</b> | -   | -                                                                                   | Customized                                                                          | Thermofisher / BIO-DL Pipettor,<br>1-channel / 8-channel / 12-channel                 | <b>126-0200</b> |
| <b>KJ426</b>   | ABS | -                                                                                   | Customized                                                                          | Stand for Pipettor                                                                    | <b>127-0001</b> |



## Transfer Pipette

- Made of superior FDA certified LDPE material, Non-toxic, adapted to draw, transfer or carry for small volume liquid.
- Optimizing process on surface tension, easy for the liquid flowing.
- High transparency, easy to observe.
- Can be bend with a certain angle, which is convenient for drawing or adding liquid in irregular or micro container.
- High elasticity, adapted to fast liquid transfer without leakage.
- Convenient and accurate for use with good repeatability.
- Heat-seal on the tip of the pipette can achieve liquid carry.
- Available in bulk or individual pack.
- Available in E.O. or Gamma radiation sterile.



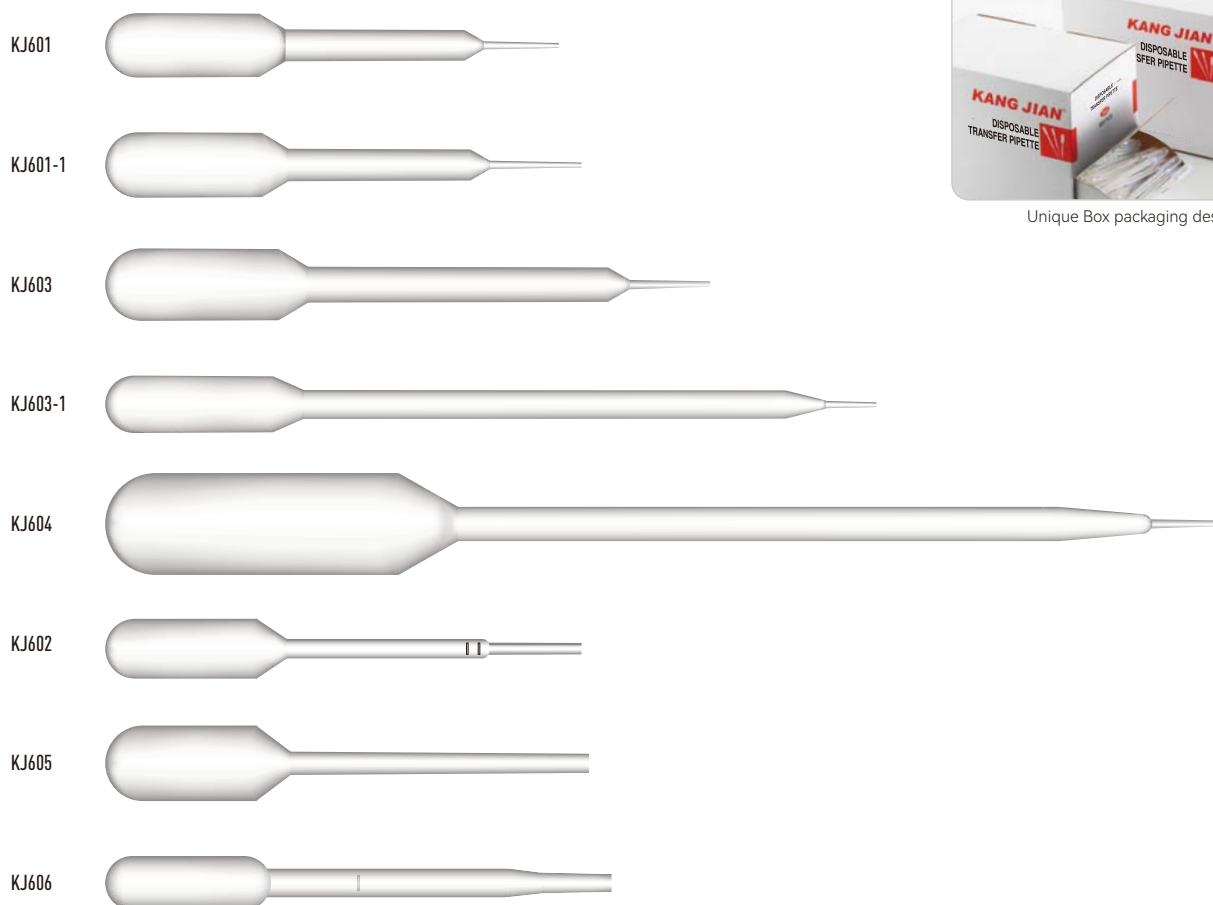
Individual paper-plastic packed



Multiple paper-plastic packed



Unique Box packaging design, for easy use.

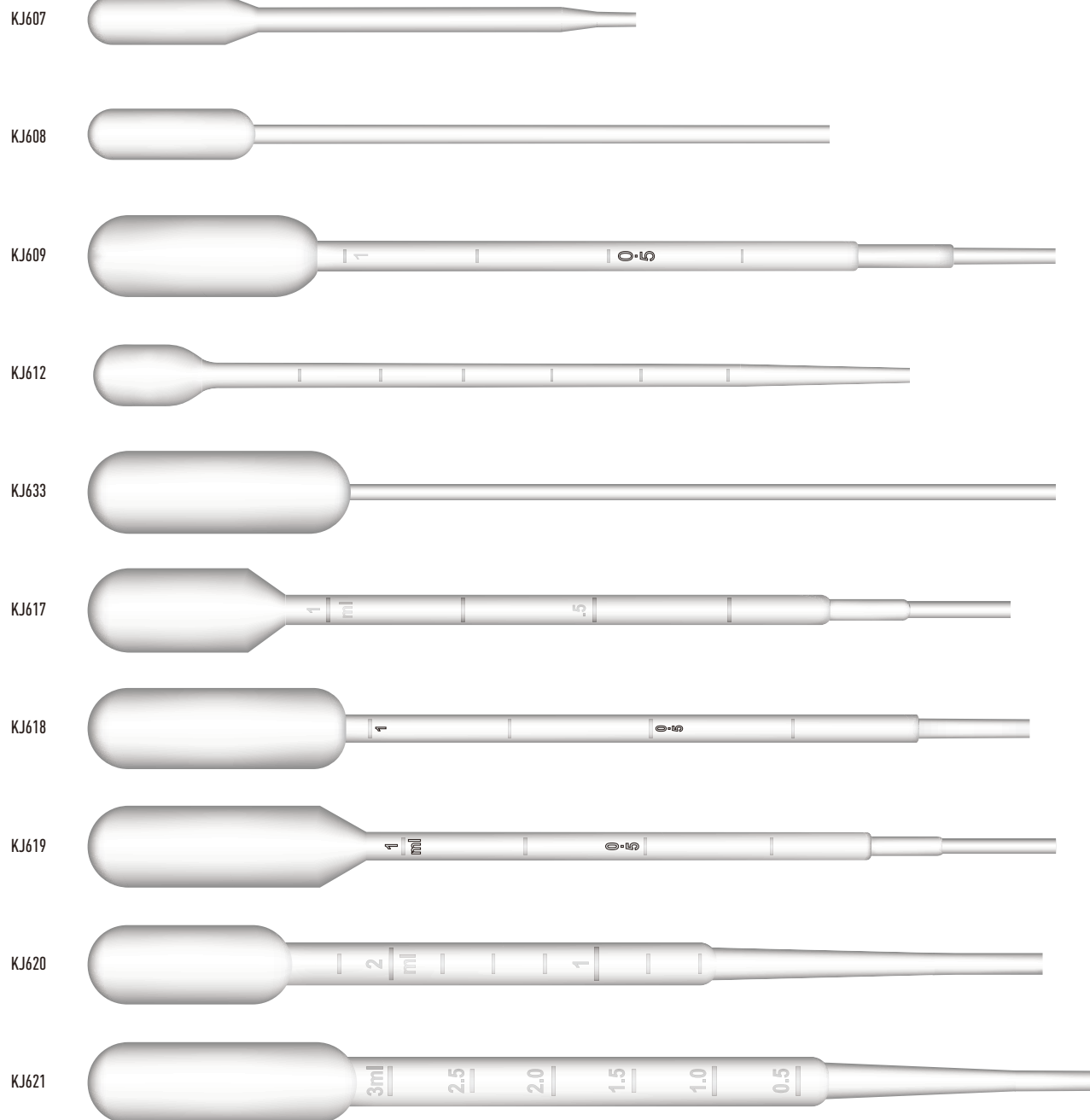


| REF     | * Length | * Total Volume | * Bulb Volume | * Drop Count (1mL) | * Scale Value | Packing                      | Original REF. |
|---------|----------|----------------|---------------|--------------------|---------------|------------------------------|---------------|
| KJ601   | 60mm     | 1.0mL          | 0.76mL        | 65±4               | -             | 2000 pcs/bag, 10 bags/carton | 141-001       |
| KJ601-1 | 63mm     | 1.0mL          | 0.76mL        | 66±4               | -             | 2000 pcs/bag, 10 bags/carton | 141-002       |
| KJ603   | 80mm     | 2.0mL          | 1.4mL         | 110±4              | -             | 2000 pcs/bag, 10 bags/carton | 141-003       |
| KJ603-1 | 102mm    | 1.4mL          | 0.8mL         | 136±4              | -             | 200 pcs/bag, 60 bags/carton  | 141-004       |
| KJ604   | 148mm    | 6.0mL          | 5.0mL         | 116±4              | -             | 500 pcs/bag, 10 bags/carton  | 141-005       |
| KJ602   | 63mm     | 0.9mL          | 0.76mL        | 45±3               | 20/10 µl      | 2000 pcs/bag, 10 bags/carton | 141-006       |
| KJ605   | 64mm     | 1.4mL          | 1.24mL        | 41±2               | -             | 2000 pcs/bag, 10 bags/carton | 141-007       |
| KJ606   | 67mm     | 1.0mL          | 0.65mL        | 26±2               | 200 µl        | 2000 pcs/bag, 10 bags/carton | 141-008       |

\*Typical data for reference only. Actual product may vary.



## Transfer Pipette

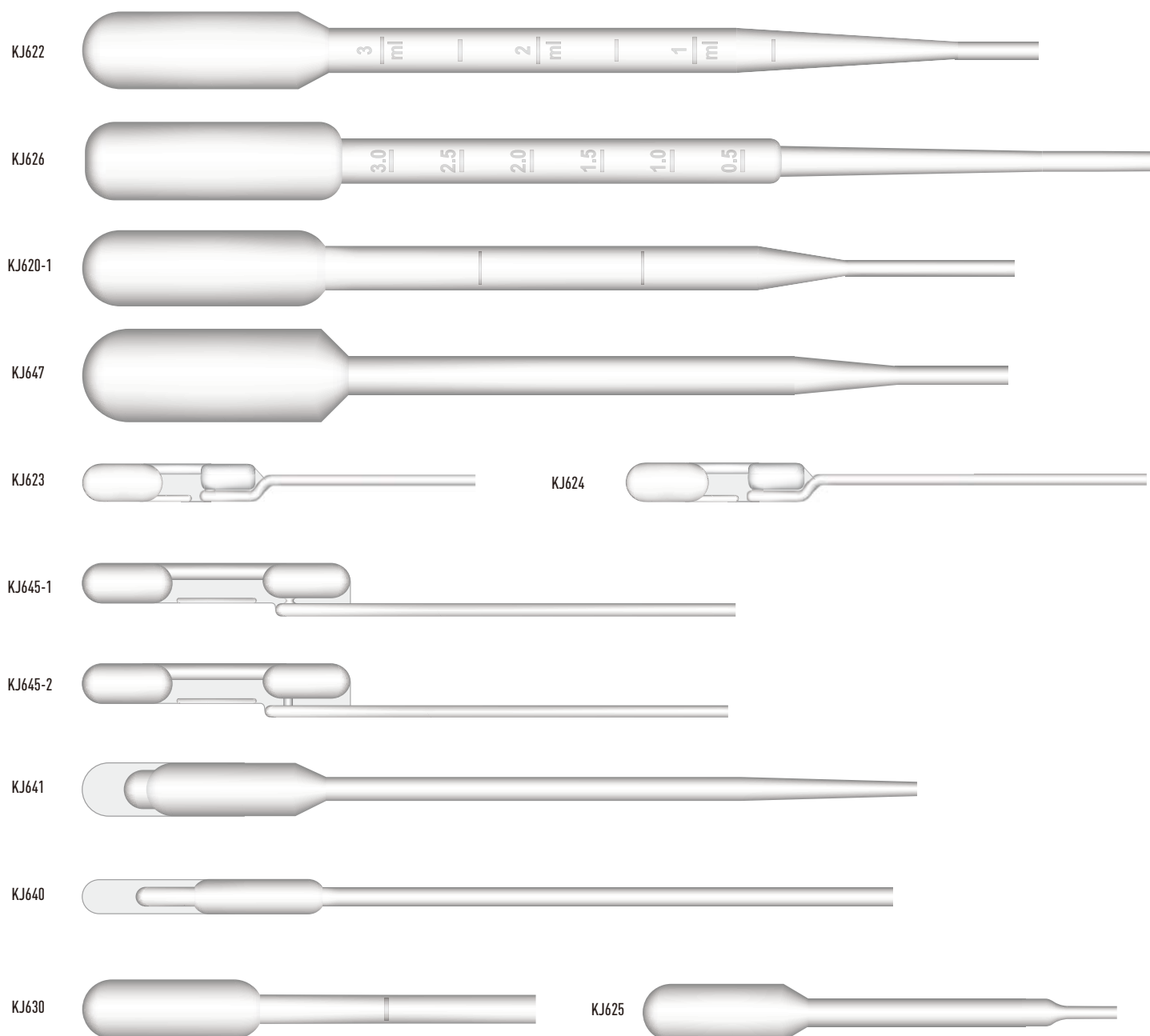


| REF   | *Length | *Total Volume | *Bulb Volume | *Drop Count (1mL) | *Scale Value                      | Packing                      | Original REF. |
|-------|---------|---------------|--------------|-------------------|-----------------------------------|------------------------------|---------------|
| KJ607 | 85mm    | 1.3mL         | 0.76mL       | 41±2              | -                                 | 2000 pcs/bag, 10 bags/carton | 141-009       |
| KJ608 | 115mm   | 1.2mL         | 0.76mL       | 33±1              | -                                 | 2000 pcs/bag, 10 bags/carton | 141-010       |
| KJ609 | 150mm   | 4.6mL         | 1.4mL        | 30±1              | 1/0.75/0.5/0.25ml                 | 400 pcs/bag, 10 bags/carton  | 141-011       |
| KJ612 | 130mm   | 1.5mL         | 0.8mL        | 44±2              | 0.5/0.4/0.3/0.2/0.1ml             | 2000 pcs/bag, 10 bags/carton | 141-012       |
| KJ633 | 150mm   | 4.3mL         | 5.0mL        | 31±1              | -                                 | 500 pcs/box, 10 boxes/carton | 141-013       |
| KJ617 | 143mm   | 4.0mL         | 0.76mL       | 27±1              | 1/0.75/0.5/0.25ml                 | 500 pcs/box, 10 boxes/carton | 141-014       |
| KJ618 | 146mm   | 5.25mL        | 1.24mL       | 24±1              | 1/0.75/0.5/0.25ml                 | 500 pcs/box, 10 boxes/carton | 141-015       |
| KJ619 | 150mm   | 5.77mL        | 0.65mL       | 29±1              | 1/0.75/0.5/0.25ml                 | 500 pcs/box, 10 boxes/carton | 141-016       |
| KJ620 | 148mm   | 5.13mL        | 1.0mL        | 24±1              | 2.25/2/1.75/1.5/1.25/1/0.75/0.5ml | 500 pcs/box, 10 boxes/carton | 141-017       |
| KJ621 | 157mm   | 7.4mL         | 0.84mL       | 25±1              | 3/2.5/2/1.5/1/0.5ml               | 500 pcs/box, 10 boxes/carton | 141-018       |

\*Typical data for reference only. Actual product may vary



## Transfer Pipette



| REF     | * Length | * Total Volume | * Bulb Volume      | * Drop Count (1mL) | * Scale Value       | Packing                      | Original REF. |
|---------|----------|----------------|--------------------|--------------------|---------------------|------------------------------|---------------|
| KJ622   | 158mm    | 7.63mL         | 4.4mL              | 24±1               | 3/2.5/2/1.5/1/0.5ml | 500 pcs/box, 10 boxes/carton | 141-019       |
| KJ626   | 177mm    | 7.9mL          | 4.9mL              | 26±1               | 3/2.5/2/1.5/1/0.5ml | 500 pcs/box, 10 boxes/carton | 141-020       |
| KJ620-1 | 154mm    | 6.7mL          | 3.8mL              | 29±1               | 2/1ml               | 500 pcs/box, 10 boxes/carton | 141-037       |
| KJ647   | 153mm    | 8.24mL         | 6.5mL              | 23±1               | -                   | 500 pcs/box, 10 boxes/carton | 141-038       |
| KJ623   | 65mm     | 0.5mL          | 0.4mL(double-bulb) | 43±2               | -                   | 2000 pcs/bag, 10 bags/carton | 141-021       |
| KJ624   | 86mm     | 0.55mL         | 0.4mL(double-bulb) | 43±2               | -                   | 2000 pcs/bag, 10 bags/carton | 141-022       |
| KJ645-1 | 108mm    | 0.72mL         | 0.6mL(double-bulb) | 43±2               | -                   | 2000 pcs/bag, 10 bags/carton | 141-023       |
| KJ645-2 | 106mm    | 0.70mL         | 0.6mL(double-bulb) | 45±2               | -                   | 2000 pcs/bag, 10 bags/carton | 141-042       |
| KJ641   | 138mm    | 2.23mL         | 1.45mL             | 29±1               | -                   | 500 pcs/box, 18 boxes/carton | 141-024       |
| KJ640   | 134mm    | 1.2mL          | 0.5mL              | 21±1               | 300μl               | 200 pcs/bag, 60 bags/carton  | 141-025       |
| KJ630   | 75mm     | 2.0mL          | 1.4mL              | 32±1               | -                   | 1000 pcs/bag, 10 bags/carton | 141-027       |
| KJ625   | 78.4mm   | 1.9mL          | 1.34mL             | 45±1               | -                   | 2000 pcs/bag, 10 bags/carton | 141-028       |

\*Typical data for reference only. Actual product may vary





## Transfer Pipette

KJ625-1



KJ606-1



KJ606-2



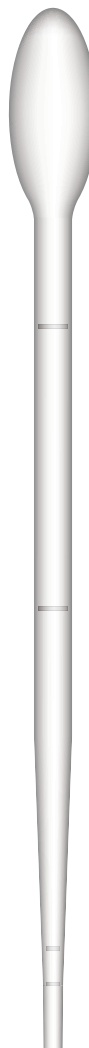
KJ606-3



KJ643



KJ644



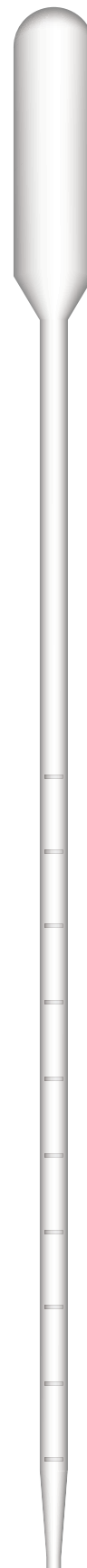
KJ642



KJ642-1



KJ638



| REF     | *Length | *Total Volume | *Bulb Volume | *Drop Count (1mL) | *Scale Value         | Packing                       | Original REF. |
|---------|---------|---------------|--------------|-------------------|----------------------|-------------------------------|---------------|
| KJ625-1 | 135mm   | 1.0mL         | 0.6mL        | 36±1              | 0.5/0.25ml           | 2000 pcs/bag, 10 bags/carton  | 141-029       |
| KJ606-1 | 80mm    | 0.6mL         | 0.44mL       | 36±1              | -                    | 2000 pcs/box, 10 boxes/carton | 141-030       |
| KJ606-2 | 75mm    | 0.29mL        | 0.15mL       | 50±2              | 20µl                 | 2000 pcs/bag, 10 bags/carton  | 141-040       |
| KJ606-3 | 73mm    | 0.28mL        | 0.15mL       | 50±2              | 20µl                 | 2000 pcs/bag, 10 bags/carton  | 141-041       |
| KJ643   | 154mm   | 3.3mL         | 1.9mL        | 23±1              | 1/0.5mL, 150/75/50µl | 500 pcs/bag, 10 bags/carton   | 141-032       |
| KJ644   | 138mm   | 2.7mL         | 1.5mL        | 26±1              | 1000/500/20/10µl     | 500 pcs/bag, 10 bags/carton   | 141-033       |
| KJ642   | 208mm   | 13.22mL       | 12.9mL       | 22±1              | -                    | 250 pcs/bag, 8 bags/carton    | 141-034       |
| KJ642-1 | 204mm   | 12.3mL        | 7.0mL        | 21±1              | 5/4/3/2/1ml          | 500 pcs/box, 8 boxes/carton   | 141-039       |
| KJ638   | 225mm   | 5.5mL         | 3.6mL        | 30±1              | 1mL-0.1ml            | 500 pcs/box, 10 boxes/carton  | 141-035       |

\*Typical data for reference only. Actual product may vary.

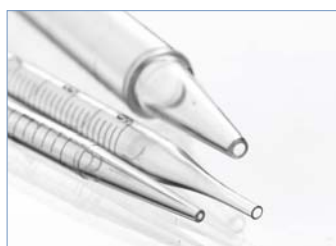


## Serological Pipette

The product is made of imported high quality polystyrene (GPPS) in class 100,000 clean workshop. Novel aspiration area design can fit most of the pipettors on the market. Mainly used for accurate measure or transfer for certain volume liquid and is widely employed in the field of cell culture, bacteriology, clinical research, etc..

Available in six capacity: 1.0mL, 2.0mL, 5.0mL, 10.0mL, 25.0mL, 50.0mL. Graduations are calibrated within  $\pm 2\%$ .

- ◆ 1.0mL, 2.0mL, 5.0mL pipettes are shaped by stretching method.
- ◆ 5.0mL, 10.0mL, 25.0mL, 50.0mL pipettes tips are welded to the tube by supersonic wave.
- ◆ Smooth and clean without drawing lines.
- ◆ Different colors correspond to different specification, easy to distinguish.
- ◆ Maximally reduce the liquid adhesion to the tube inner wall and thus improve the sampling accuracy.
- ◆ Excellent double-side graduation design ideally meet with the demand for liquid adding or reducing.
- ◆ Clear and simple graduation, as well as the negative one for extra volume, makes the liquid drawing and reading easier.
- ◆ All serological pipettes are assembled with high quality filters.
- ◆ Strict integrity test on every pipette.
- ◆ Non-sterile or sterilized by Radiation / E.O.
- ◆ Available with non-pyrogenic and DNase/RNase-free.



Stretched tip & Welded tip.



With filters, different colors correspond to different volumes.



Individual paper-plastic peel pack.



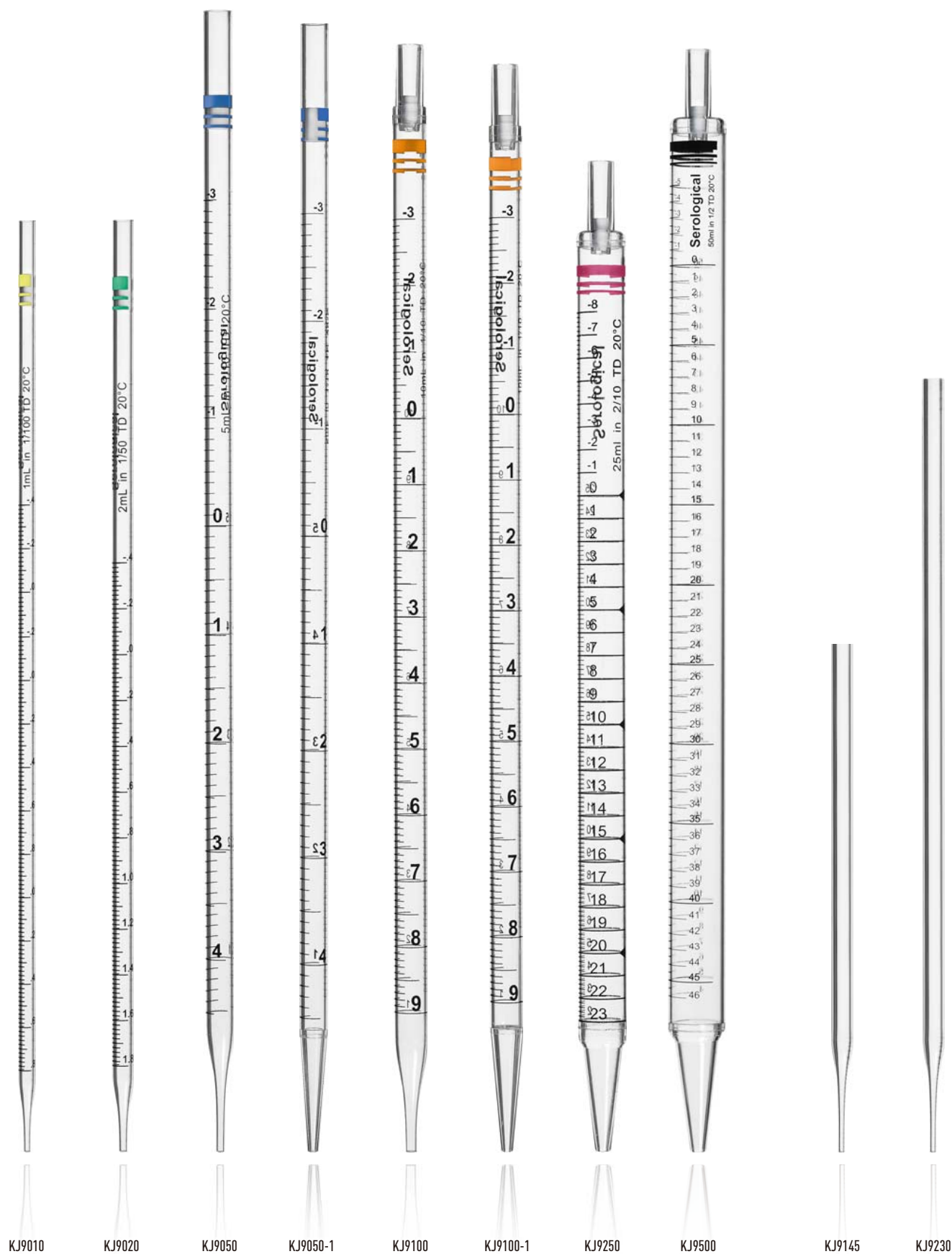
Individual plastic peel pack.

| REF      | MAT  | *         |      |     |      |      |           |                                  | Original REF. |
|----------|------|-----------|------|-----|------|------|-----------|----------------------------------|---------------|
| KJ9010   | GPPS | Ø5×280mm  | 1mL  | 100 | 300  | 1800 | STERILE R | Stretched tip, Individual pack   | 131-0111      |
| KJ9012   | GPPS | Ø5×280mm  | 1mL  | 25  | 1000 | 4000 | STERILE R | Stretched tip, Bluk Pack         | 131-0112      |
| KJ9020   | GPPS | Ø6×280mm  | 2mL  | 100 | 300  | 1800 | STERILE R | Stretched tip, Individual pack   | 131-0211      |
| KJ9022   | GPPS | Ø6×280mm  | 2mL  | 25  | 100  | 4600 | STERILE R | Stretched tip, Bluk Pack         | 131-0212      |
| KJ9050   | GPPS | Ø8×347mm  | 5mL  | 50  | 200  | 1200 | STERILE R | Stretched tip, Individual pack   | 131-0511      |
| KJ9052   | GPPS | Ø8×347mm  | 5mL  | 25  | 500  | 2000 | STERILE R | Stretched tip, Bluk Pack         | 131-0512      |
| KJ9050-1 | GPPS | Ø8×345mm  | 5mL  | 50  | 200  | 1200 | STERILE R | Welded tip, Individual pack      | 131-0521      |
| KJ9052-1 | GPPS | Ø8×345mm  | 5mL  | 25  | 500  | 2000 | STERILE R | Welded tip, Bluk Pack            | 131-0522      |
| KJ9100   | GPPS | Ø10×342mm | 10mL | 50  | 200  | 1200 | STERILE R | Stretched tip, Individual pack   | 131-1011      |
| KJ9102   | GPPS | Ø10×342mm | 10mL | 25  | 500  | 2000 | STERILE R | Stretched tip, Bluk Pack         | 131-1012      |
| KJ9100-1 | GPPS | Ø10×340mm | 10mL | 50  | 200  | 1200 | STERILE R | Welded tip, Individual pack      | 131-1021      |
| KJ9102-1 | GPPS | Ø10×340mm | 10mL | 25  | 500  | 2000 | STERILE R | Welded tip, Bluk Pack            | 131-1022      |
| KJ9250   | GPPS | Ø15×310mm | 25mL | 25  | 100  | 600  | STERILE R | Welded tip, Individual pack      | 131-2521      |
| KJ9252   | GPPS | Ø15×310mm | 25mL | 25  | 500  | 1000 | STERILE R | Welded tip, Bluk Pack            | 131-2522      |
| KJ9500   | GPPS | Ø18×355mm | 50mL | 25  | 100  | 400  | STERILE R | Welded tip, Individual pack      | 131-5021      |
| KJ9502   | GPPS | Ø18×355mm | 50mL | 25  | 250  | 1000 | STERILE R | Welded tip, Bluk Pack            | 131-5022      |
| KJ9145   | PS   | Ø6×145mm  |      |     | 50   | 200  | STERILE R | Pasteur pipette, Individual pack | 132-1001      |
| KJ9230   | PS   | Ø6×230mm  |      |     | 50   | 200  | STERILE R | Pasteur pipette, Individual pack | 132-1002      |

\*Typical dimensions for reference only. Actual product may vary.

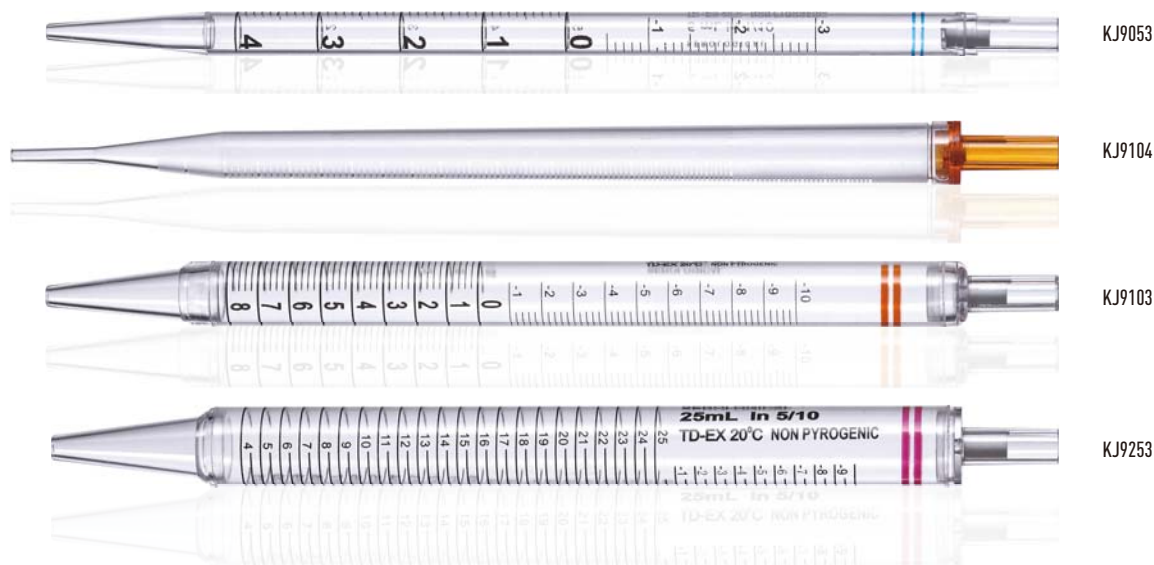


## Serological Pipette





## Serological Pipette



| REF    | MAT  | *            |                    |     |      |      |           |                                    | Original REF. |
|--------|------|--------------|--------------------|-----|------|------|-----------|------------------------------------|---------------|
| KJ9053 | GPPS | Ø10×235mm    | 5mL (Short style)  | 100 | 300  | 1800 | STERILE R | Welded tip, Individual pack        | 131-0531      |
| KJ9104 | GPPS | Ø12.5×240mm  | 10mL (Short style) | 25  | 1000 | 6000 | STERILE R | Injection molding, Individual pack | 131-1031      |
| KJ9103 | GPPS | Ø15×23.5mm   | 10mL (Short style) | 100 | 300  | 1800 | STERILE R | Welded tip, Individual pack        | 131-1041      |
| KJ9253 | GPPS | Ø18.5×23.5mm | 25mL (Short style) | 25  | 600  | 3600 | STERILE R | Welded tip, Individual pack        | 131-2531      |

\*Typical dimensions for reference only. Actual product may vary.

## KJ9000 Electronic Pipette

◆ KANGJIAN electronic pipette is designed and manufactured with advanced concepts and technologies. It features a smooth and attractive appearance, compact and robust structure, wide applicability, and simple operation.

◆ In addition to meeting basic pipetting requirements, this electronic pipette optimizes the user experience. Its sensitive speed control enables smooth and easy pipetting and separation of various liquids. The LCD display clearly shows battery level, suction force, and dispensing speed. It performs excellently in removing or adding cell culture media during cell seeding or passaging. Flexible and comfortable liquid handling makes experimental procedures more efficient.



KJ9000

|                  |                                               |                     |                                                         |                             |                                    |
|------------------|-----------------------------------------------|---------------------|---------------------------------------------------------|-----------------------------|------------------------------------|
| Aspiration Speed | 25mL in <5 seconds (6 adjustable levels)      | Compatible Pipettes | Plastic or glass pipettes (0.1-100mL), Pasteur pipettes |                             |                                    |
| Dispensing Speed | 6-speed electric control or gravity discharge | Filter              | 0.45µm hydrophobic membrane                             | Battery Type                | Lithium-ion Battery                |
| Net Weight       | 520g                                          | Charging Time       | 2-3 hours                                               | Full Battery Operating Time | >8 hours of intermittent operation |

# TEST TUBE

09



|                                                         |         |
|---------------------------------------------------------|---------|
| → Test Tube                                             | 104-108 |
| PE Test Tube                                            | 104     |
| PP/PS Test Tube                                         | 104-105 |
| Capped Test Tube                                        | 105     |
| Conical Test Tube                                       | 106     |
| Multi-use Tube                                          | 106     |
| Culture Tube                                            | 107     |
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| HCT Tube                                                | 108     |
| → Tube Cap & Replacing Cap                              | 109     |
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| → Rack for Test Tube                                    | 111     |

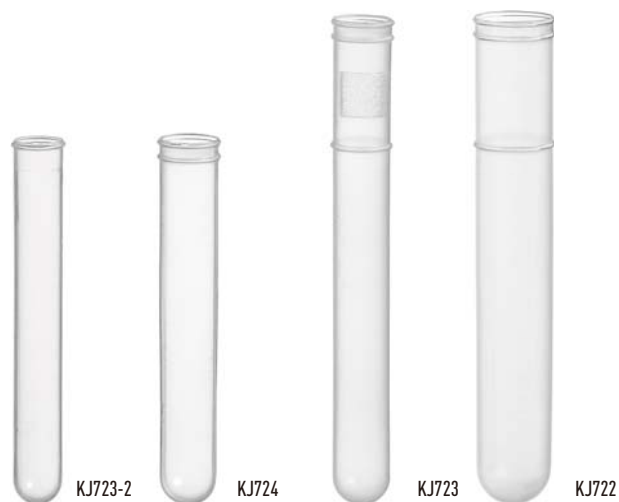




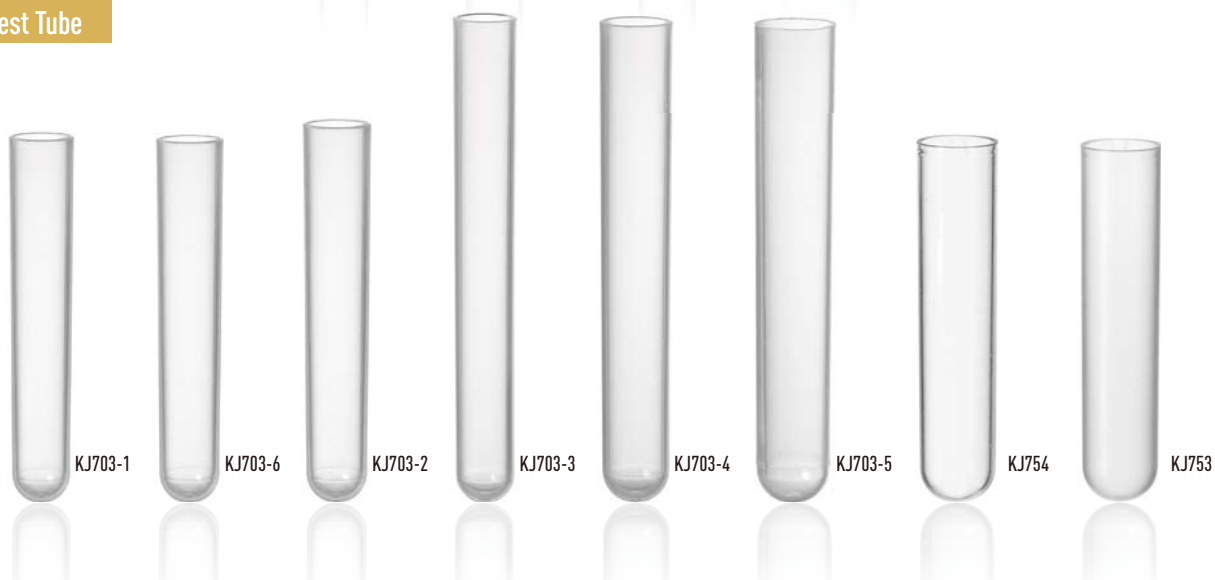
## Test Tube

- ▲ KANGJIAN<sup>®</sup> test tube is made of superior PE/PP/PS material, it has a good chemical compatibility. PP test tubes are compatible with most polar organic solvents, weak acids, and weak bases.
- ▲ PS/PP test tube is manufactured with excellent technique. Some products can stand centrifuge speed up to 4500 rpm without crack or leakage.
- ▲ Multiple sizes labels can be customized to meet specific test demand.

### PE Test Tube



### PP/PS Test Tube



| REF     | MAT | *<br>mm |     |     |       | Original REF. |
|---------|-----|---------|-----|-----|-------|---------------|
| KJ723-2 | PE  | Ø10×75  | 900 |     | 18000 | 171-06061     |
| KJ724   | PE  | Ø12×75  |     | 600 | 12000 | 171-09061     |
| KJ723   | PE  | Ø12×100 |     | 500 | 9000  | 171-10061     |
| KJ722   | PE  | Ø15×100 |     | 300 | 5400  | 171-13061     |
| KJ703-1 | PP  | Ø12×75  | 500 |     | 5000  | 171-09041     |
| KJ703-6 | PP  | Ø13×75  | 400 |     | 4000  | 171-01041     |
| KJ703-2 | PP  | Ø13×78  | 400 |     | 4000  | 171-11041     |
| KJ703-3 | PP  | Ø12×100 | 300 |     | 3000  | 171-10041     |
| KJ703-4 | PP  | Ø15×100 | 250 |     | 2500  | 171-13041     |
| KJ703-5 | PP  | Ø16×100 | 200 |     | 2000  | 171-03041     |
| KJ754   | PS  | Ø16×75  | 300 |     | 3000  | 171-16051     |
| KJ753   | PP  | Ø16×75  | 300 |     | 3000  | 171-16041     |

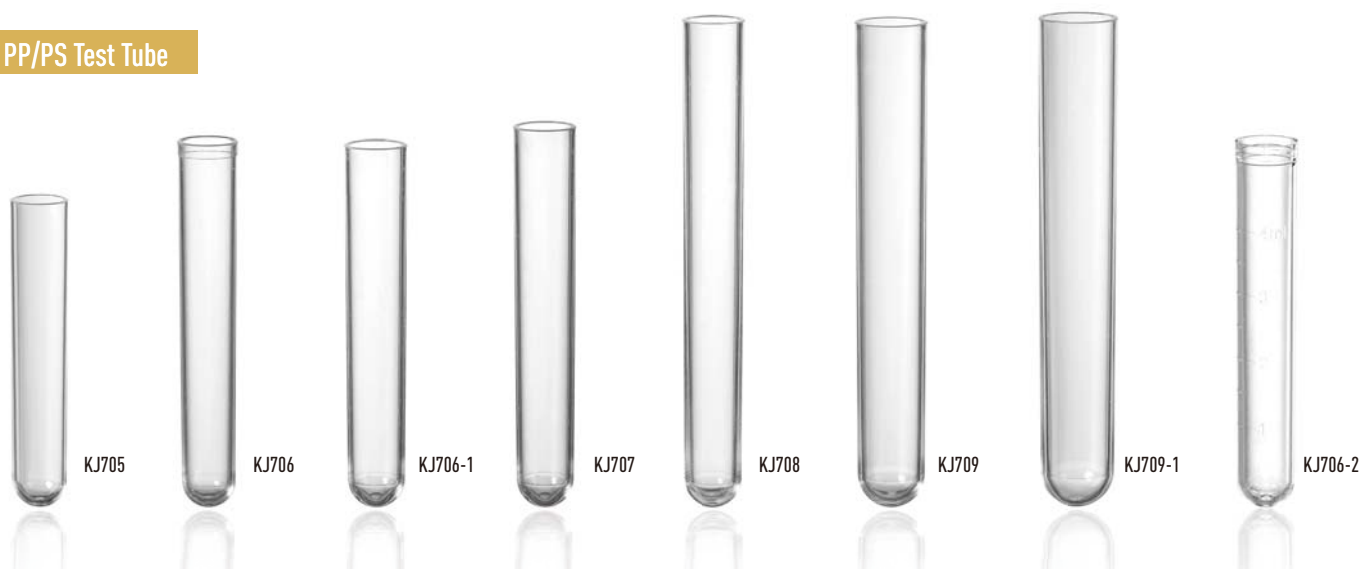
\*Typical dimensions for reference only. Actual product may vary.





## Test Tube

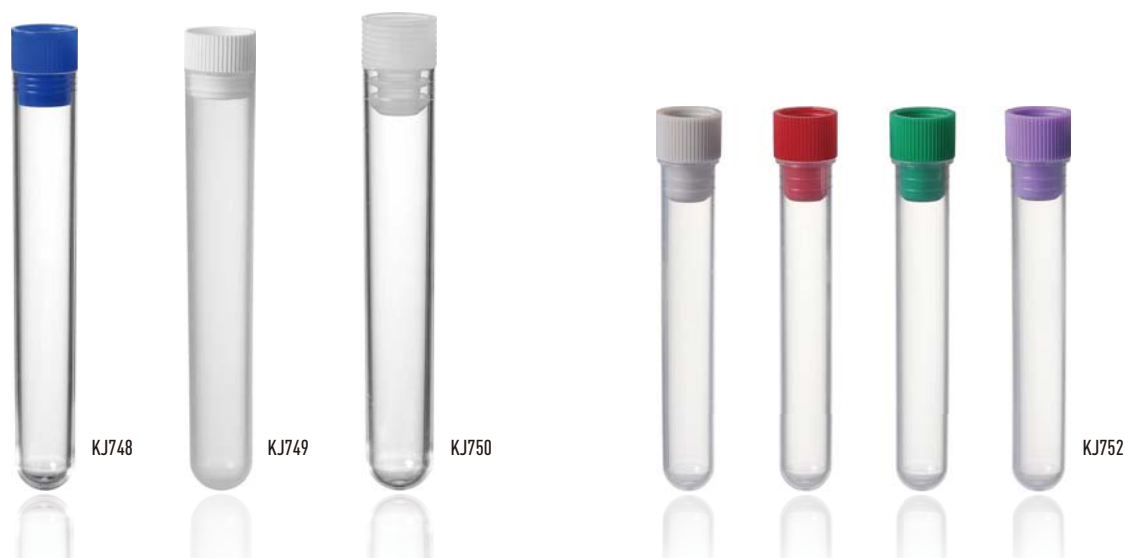
### PP/PS Test Tube



| REF     | MAT      | *<br>mm      |     |      |                                       | Original REF. |
|---------|----------|--------------|-----|------|---------------------------------------|---------------|
| KJ705   | PS       | Ø12×60       | 500 | 5000 |                                       | 171-08051     |
| KJ706   | PS       | Ø12×75       | 500 | 5000 |                                       | 171-09051     |
| KJ706-1 | PS       | Ø13×75       | 400 | 4000 |                                       | 171-01051     |
| KJ707   | PS       | Ø13×78       | 400 | 4000 |                                       | 171-11051     |
| KJ708   | PS / PET | Ø12×100      | 300 | 3000 |                                       | 171-10051     |
| KJ709   | PS       | Ø15×100      | 250 | 2500 |                                       | 171-13051     |
| KJ709-1 | PS       | Ø16×100      | 200 | 2000 |                                       | 171-03051     |
| KJ706-2 | PS       | Ø12×75 (4mL) | 500 | 5000 | For Flow Cytometer, Molded graduation | 171-09052     |

\*Typical dimensions for reference only. Actual product may vary.

### Capped Test Tube



| REF   | MAT | *<br>mm |     |      |                     | Original REF. |
|-------|-----|---------|-----|------|---------------------|---------------|
| KJ748 | PS  | Ø15×100 | 200 | 2000 |                     | 171-13052     |
| KJ749 | PP  | Ø16×100 | 200 | 2000 |                     | 171-03042     |
| KJ750 | PS  | Ø16×100 | 200 | 2000 |                     | 171-03052     |
| KJ752 | PP  | Ø12×75  | 400 | 4000 | Multiple colour cap | 171-09042     |

\*Typical dimensions for reference only. Actual product may vary.



## Test Tube

### Conical Test Tube



KJ724-2



KJ724-3



KJ724-4

| REF     | MAT     |      |     |      |                                         | Original REF. |
|---------|---------|------|-----|------|-----------------------------------------|---------------|
| KJ724-2 | PS      | 12mL | 200 | 2000 | Conical, Molded graduation, with Cap    | 172-12052     |
|         | PS      | 12mL | 200 | 2000 | Conical, Molded graduation, without Cap | 172-12053     |
| KJ724-3 | PP      | 12mL | 200 | 2000 | Conical, Molded graduation, with Cap    | 172-12041     |
|         | PP      | 12mL | 200 | 2000 | Conical, Molded graduation, without Cap | 172-12042     |
| KJ724-4 | PS / PP | 15mL | 200 | 2000 | Conical, Molded graduation: 0.5mL-15mL  | 172-15051     |

### Multi-use Tube



KJ730



KJ731



KJ729



KJ745



KJ746



KJ746-1



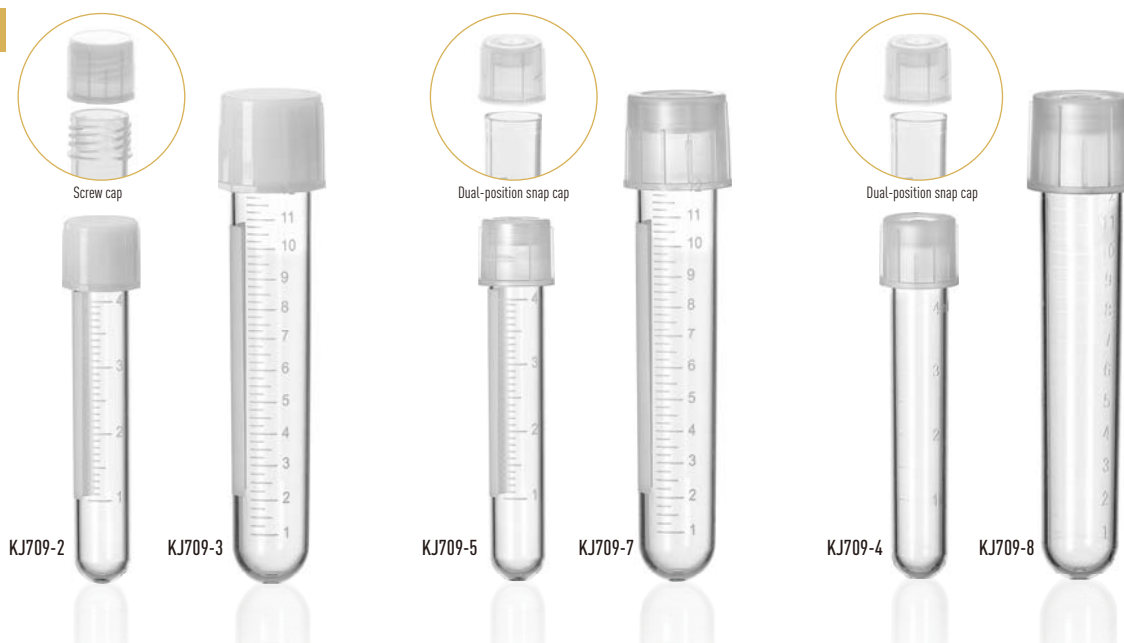
KJ760

| REF     | MAT |      |     |      |                                                                               | Original REF. |
|---------|-----|------|-----|------|-------------------------------------------------------------------------------|---------------|
| KJ730   | PP  | 5mL  | 200 | 2000 | Screw cap, Flat bottom                                                        | 174-05041     |
| KJ731   | PP  | 5mL  | 400 | 4000 | Screw Cap, Round bottom                                                       | 174-05042     |
| KJ729   | PS  | 10mL | 200 | 2000 | Screw cap, Flat bottom                                                        | 174-10051     |
| KJ745   | PP  | 12mL | 200 | 2000 | Screw cap, Round bottom, Self-standing                                        | 174-12042     |
| KJ746   | PP  | 5mL  | 250 | 2500 | Screw cap, Conical bottom, Self-standing                                      | 174-05043     |
| KJ746-1 | PP  | 7mL  | 250 | 2500 | Screw cap, Conical bottom, Self-standing                                      | 174-07041     |
| KJ760   | PP  | 2mL  | 200 | 3000 | Special Test Tube Bottom for Fully Automatic Biochemical Immunoassay Analyzer | 174-02041     |



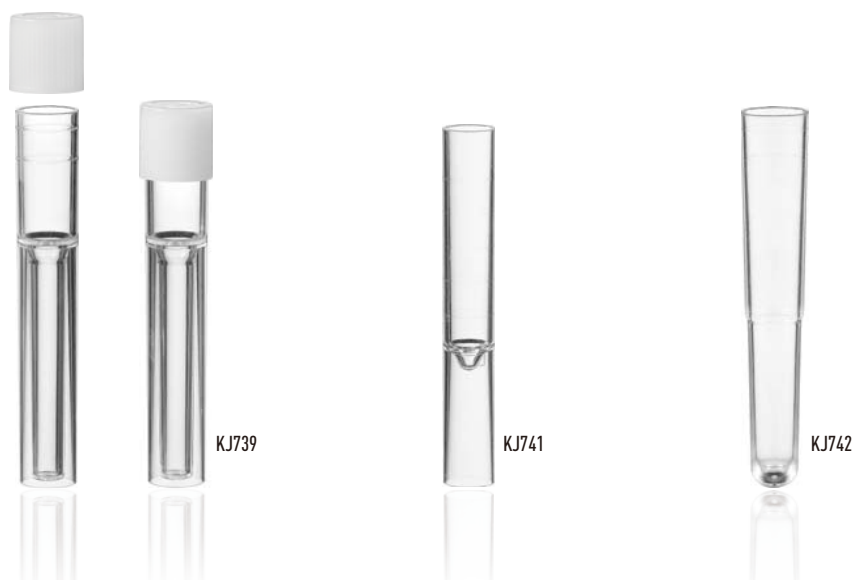
## Test Tube

### Culture Tube



| REF     | MAT     |      |     |      |                                              | Original REF. |
|---------|---------|------|-----|------|----------------------------------------------|---------------|
| KJ709-2 | PP      | 4mL  | 200 | 2000 | Screw cap, Silk screen printing              | 174-04041     |
| KJ709-3 | PP      | 12mL | 100 | 1500 | Screw cap, Silk screen printing              | 174-12041     |
| KJ709-5 | PS / PP | 4mL  | 200 | 2000 | Dual-position snap cap, Silk screen printing | 174-04042     |
| KJ709-7 | PS / PP | 12mL | 100 | 1500 | Dual-position snap cap, Silk screen printing | 174-12043     |
| KJ709-4 | PS      | 4mL  | 200 | 2000 | Dual-position snap cap, Molded graduation    | 174-04043     |
| KJ709-8 | PS      | 12mL | 100 | 1500 | Dual-position snap cap, Molded graduation    | 174-12044     |

### Urine Test Tube

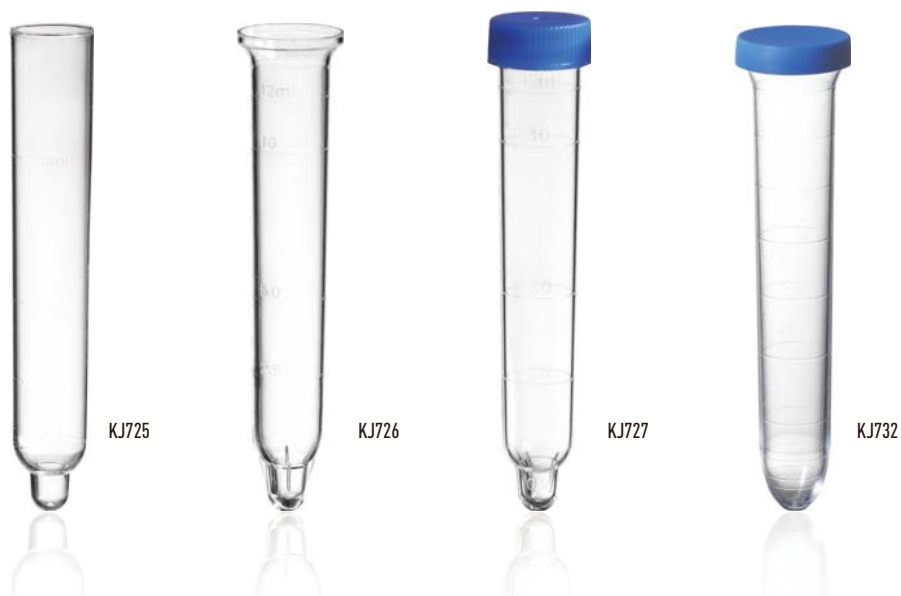


| REF   | MAT | *       |      |     |     |      |                                   | Original REF. |
|-------|-----|---------|------|-----|-----|------|-----------------------------------|---------------|
| KJ739 | PS  | Ø16×106 | 10mL | 200 | -   | 2000 | For Germany KOBOLD urine analyzer | 175-0001      |
| KJ741 | PS  | Ø13×100 | 4mL  | 100 | -   | 2000 | Urine test tube                   | 175-0003      |
| KJ742 | PS  | Ø16×105 | 10mL | 100 | 500 | 1500 | Urine test tube                   | 175-0004      |



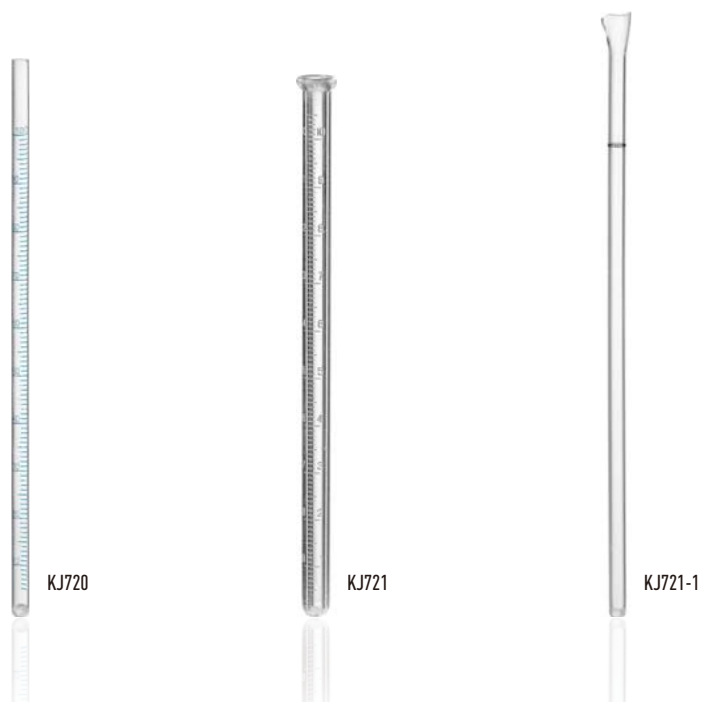
## Test Tube

### Urine Test Tube



| REF   | MAT |      |     |      |                                  | Original REF. |
|-------|-----|------|-----|------|----------------------------------|---------------|
| KJ725 | PS  | 12mL | 200 | 2000 | W/O rim                          | 173-12051     |
| KJ726 | PS  | 12mL | 200 | 2000 | Wide-mouth                       | 173-12052     |
| KJ727 | PS  | 12mL | 200 | 2000 | Screw cap                        | 173-12053     |
| KJ732 | PS  | 12mL | 200 | 2000 | Wide-mouth, Scale line, Plug cap | 173-12054     |

### HCT Tube



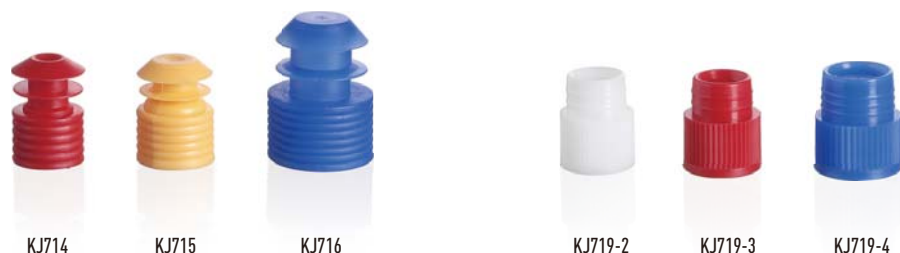
| REF     | MAT |      |       |                      | Original REF. |
|---------|-----|------|-------|----------------------|---------------|
| KJ720   | PS  | 1000 | 20000 | HCT tube, Scale line | 176-0401      |
| KJ721   | PS  | 100  | 10000 | HCT tube, Scale line | 176-0101      |
| KJ721-1 | PP  | 500  | 20000 | HCT tube             | 176-0402      |

\*Typical dimensions for reference only. Actual product may vary.



## Tube Cap & Replacing Cap

### Test tube Cap



| REF     | MAT |     |      |       |                  | Original REF. |
|---------|-----|-----|------|-------|------------------|---------------|
| KJ714   | PE  | Ø12 | 1000 | 20000 | Flanged plug cap | 177-12061     |
| KJ715   | PE  | Ø13 | 1000 | 20000 | Flanged plug cap | 177-13061     |
| KJ716   | PE  | Ø16 | 500  | 10000 | Flanged plug cap | 177-16061     |
| KJ719-2 | PE  | Ø12 | 2000 | 20000 | Plug cap         | 177-12062     |
| KJ719-3 | PE  | Ø13 | 2000 | 20000 | Plug cap         | 177-13062     |
| KJ719-4 | PE  | Ø15 | 1000 | 10000 | Plug cap         | 177-15061     |

### Replacing Cap



| REF     | MAT |                 |      |       |                                             | Original REF. |
|---------|-----|-----------------|------|-------|---------------------------------------------|---------------|
| KJ719-1 | PE  | Ø12 / Ø13       | 500  | 10000 | For Beckman biochemistry line               | 178-13061     |
| KJ719-6 | PP  | Ø12 / Ø13       | 500  | 10000 | For Beckman DXA5000 biochemistry line       | 178-16042     |
| KJ719-8 | PE  | Ø12 / Ø13       | 1000 | 10000 | For Beckman AU5811/AU5821 Biochemistry Line | 178-13081     |
| KJ719-5 | PP  | Ø12 / Ø13 / Ø16 | 2000 | 10000 | For Roche biochemistry line                 | 178-16041     |
| KJ719-7 | PE  | Ø13             | 500  | 10000 | For Snibe biochemistry line                 | 178-13071     |
| KJ715-1 | PE  | Ø13             | 2000 | 20000 | For Mindray MT 8000TLA biochemistry line    | 178-16043     |
| KJ714-1 | PE  | Ø12 / Ø13       | 500  | 10000 | KANGJIAN Replacing cap                      | 178-12071     |



## Special Puncturable tube for automatic urine analyzer

When transporting and testing urine in hospitals, laboratory personnel typically need to open the urine collection container lid before conducting experiments. Transportation, mixing, centrifugation, and other operations can further increase the possibility of aerosol leakage, thereby increasing the biological safety risk.

In accordance with ISO 15189 standard, Kangjian Medical has upgraded the urine sediment tube, and the sealing methods selected for the tube cap include puncturable coated film paper, aluminum foil, and elastic silicone diaphragm. While ensuring sealing, it prevents damage and leakage, reduces the biological hazards of urine aerosols to laboratory personnel, and facilitates the automated transmission and transportation of the laboratory.

### Type A Puncturable coated film paper

- Punctureable coated film paper cap, moisture-proof, leak-proof, with a bio-safe sealing design to prevent aerosol contamination.

**KJ755-1** (PS, 10mL)    **KJ755-6** (PS, 12mL)

### Type B Puncturable Black Antistatic Aluminum Foil

- The surface of aluminum foil is coated with a black insulating layer, facilitating smooth penetration by the inductive needle of the automatic analyzer.

**KJ755-2** (PS, 10mL)    **KJ755-7** (PS, 12mL)

### Type C Self-closing silicone Diaphragm

- Designed for use with a liquid collection funnel, the elastic diaphragm can automatically recover and close.

**KJ755-3** (PS, 10mL)    **KJ755-8** (PS, 12mL)

### Type D Soft film self-sealing

- The inductance needle of the automatic analyzer can smoothly penetrate the soft film. After the needle is withdrawn, the soft film automatically closes the pinhole due to its elasticity.

**KJ755-10** (PP, 10mL)    **KJ755-5** (PS, 10mL)    **KJ755-9** (PS, 12mL)

**KJ755-4** Liquid collection funnel

| REF             | MAT        |      |    |      |                                         | Original REF.    |
|-----------------|------------|------|----|------|-----------------------------------------|------------------|
| <b>KJ755-1</b>  | Tube: PS   | 10mL | 50 | 2000 | Cap with coated film paper              | <b>173-10051</b> |
| <b>KJ755-6</b>  | Tube: PS   | 12mL | 50 | 2000 | Cap with coated film paper              | <b>173-12056</b> |
| <b>KJ755-2</b>  | Tube: PS   | 10mL | 50 | 2000 | Cap with aluminum foil                  | <b>173-10057</b> |
| <b>KJ755-7</b>  | Tube: PS   | 12mL | 50 | 2000 | Cap with aluminum foil                  | <b>173-12052</b> |
| <b>KJ755-3</b>  | Tube: PS   | 10mL | 50 | 2000 | Cap with silicone diaphragm             | <b>173-10058</b> |
| <b>KJ755-8</b>  | Tube: PS   | 12mL | 50 | 2000 | Cap with silicone diaphragm             | <b>173-12053</b> |
| <b>KJ755-4</b>  | Funnel: PP | -    | 50 | 2000 | Liquid collection funnel                | <b>173-12000</b> |
| <b>KJ755-10</b> | Tube: PP   | 10mL | 50 | 2000 | Cap with soft film(Double-shot molding) | <b>173-10060</b> |
| <b>KJ755-5</b>  | Tube: PS   | 10mL | 50 | 2000 | Cap with soft film(Double-shot molding) | <b>173-10059</b> |
| <b>KJ755-9</b>  | Tube: PS   | 12mL | 50 | 2000 | Cap with soft film(Double-shot molding) | <b>173-12059</b> |

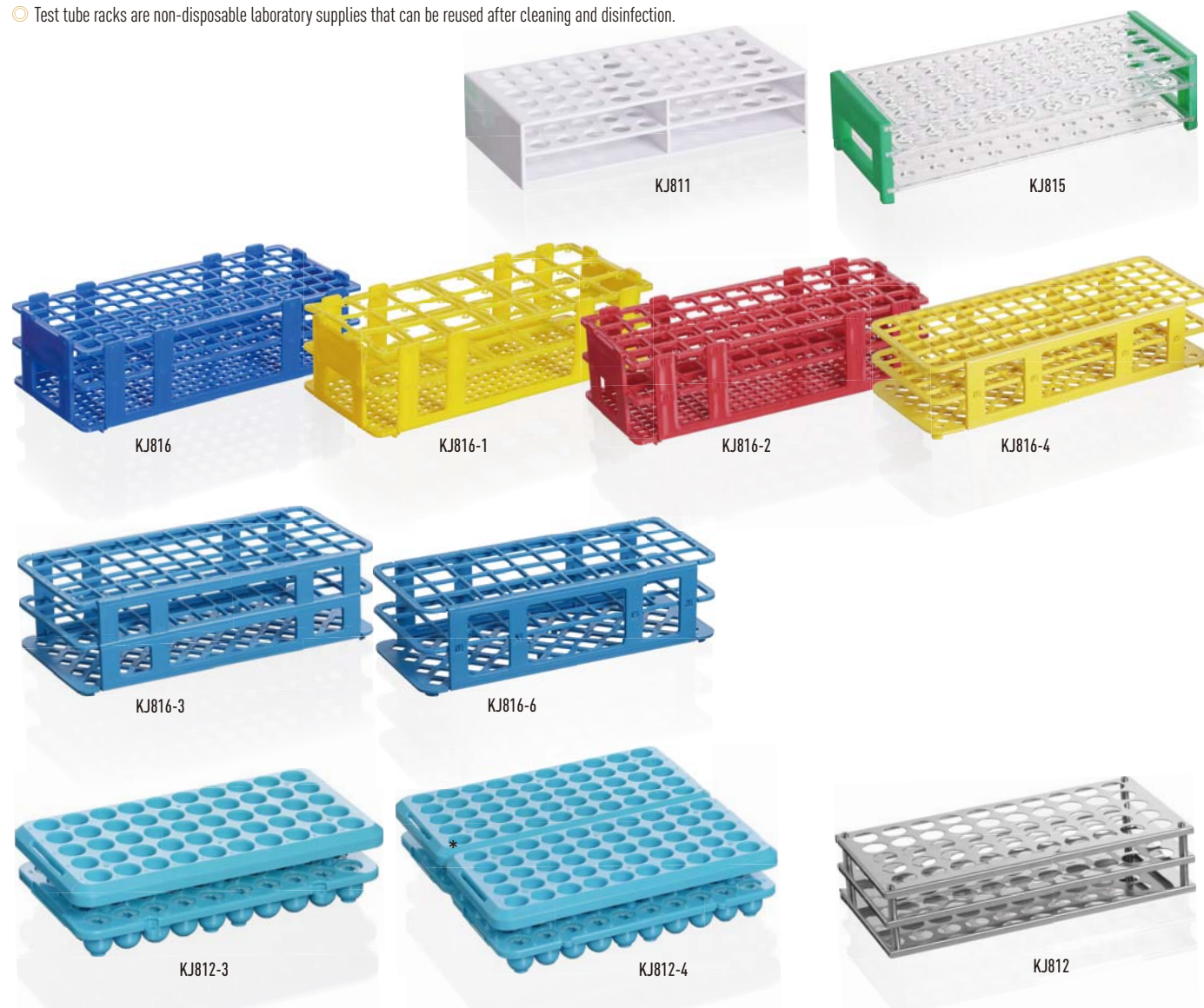




## Rack for Test Tube

Test tube racks are primarily designed to secure, sort and store laboratory consumables such as test tubes and centrifuge tubes. They prevent test tubes from tipping over, avoid collision and breakage, reduce the risk of reagent contamination, optimize the space utilization of laboratory benches, and keep laboratory operations well-organized.

- Common materials for test tube racks include ABS, PC, PP and stainless steel, among others.
- Test tube racks are non-disposable laboratory supplies that can be reused after cleaning and disinfection.



| REF     | MAT             | *            |                                |               |    |                    | Original REF. |
|---------|-----------------|--------------|--------------------------------|---------------|----|--------------------|---------------|
| KJ811   | ABS             | 235×110×50mm | Ø13, 50 Wells                  | Ø16, 50 Wells | 50 | Rack for test tube | 179-0001      |
| KJ815   | PS              | 255×120×50mm | Ø13, 50 Wells<br>Ø18, 40 Wells | Ø16, 50 Wells | 50 | Rack for test tube | 179-0002      |
| KJ816   | PP              | 250×105×65mm | Ø13, 90 Wells                  |               | 50 | Multi-use rack     | 179-0003      |
| KJ816-1 | PP              | 250×105×65mm | Ø30, 21 Wells                  |               | 50 | Multi-use rack     | 179-0004      |
| KJ816-2 | PP              | 250×105×65mm | Ø18, 44 Wells                  |               | 50 | Multi-use rack     | 179-0005      |
| KJ816-4 | PP              | 250×105×55mm | Ø13, 90 Wells                  |               | 50 | Multi-use rack     | 179-0006      |
| KJ816-3 | PP              | 250×110×65mm | Ø17, 60 Wells                  |               | 50 | Multi-use rack     | 179-0007      |
| KJ816-6 | PP              | 250×105×60mm | Ø21, 40 Wells                  |               | 50 | Multi-use rack     | 179-0008      |
| KJ812-3 | ABS             | 250×125×60mm | Ø16, 50 Wells                  |               | 50 | Grip rack          | 179-0009      |
| KJ812-4 | ABS             | 250×250×60mm | Ø16, 100 Wells                 |               | 25 | Grip rack          | 179-0010      |
| KJ812   | Stainless Steel | 230×120×50mm | Ø13-Ø21, 40-100 Wells          |               | 50 | Custom aperture    | 179-0011      |

\*Typical dimensions for reference only. Actual product may vary.

# CENTRIFUGE TUBE

# 10



- Micro Centrifuge Tube 113-115
- 10/15/20/50mL Centrifuge Tube 116-117
- Rack for Centrifuge Tubes 118





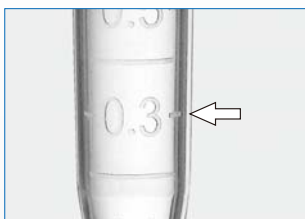
## Micro Centrifuge Tube

### Product Introduction:

- ⦿ Made of medical grade polypropylene (PP). No release agents, plasticizers and bacteriostatic agents added in the production process, and no any heavy metal ions.
- ⦿ Microcentrifuge tubes are available in 0.2mL, 0.5mL, 1.5mL, 2mL, and 5mL, etc.
- ⦿ The tube cap can be opened and closed by easy one-hand operation.
- ⦿ Excellent polypropylene material, chemical resistance and low temperature resistance, temperature resistance: -80°C to +121°C without deformation.
- ⦿ The part surface of the cap and tube area is frosted for easy labeling.
- ⦿ EO, radiation sterilization method or no sterilization is optional.
- ⦿ DNAase and RNAase free, pyrogen free products can be customized as required.



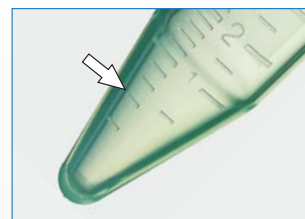
Cap frosted for easy marking



accurate and clear graduation



Tube frosted area for easy marking



5mL conical bottom scale for reading microliquid

### Feature 1: (Ultra) Low Residue

In laboratory molecular biology research, in order to maximize the recovery rate of samples, to ensure that the subsequent analysis is accurate and reliable, the minimization of sample loss is very necessary for low concentration samples (such as low concentration of proteins / DNA, etc.). Centrifuge tubes with low or ultra-low adsorption interiors significantly reduce sample (protein/DNA) residue on the tube wall and maximize protein/DNA recovery.



Comparison of tube wall residue (I)



Comparison of tube wall residue (II)

### Feature 2: High safety

- ⦿ Snap-on safety cap design can effectively prevent the centrifuge tube from popping or bursting during the experimental operation and providing the maximum safety coefficient, especially when heating the tube body.
- ⦿ centrifuge tube with screw cap and silica O-ring can effectively prevent leakage, and the hinge design for the tube and the screw cap avoids cross contamination.



Snap-on safety cap



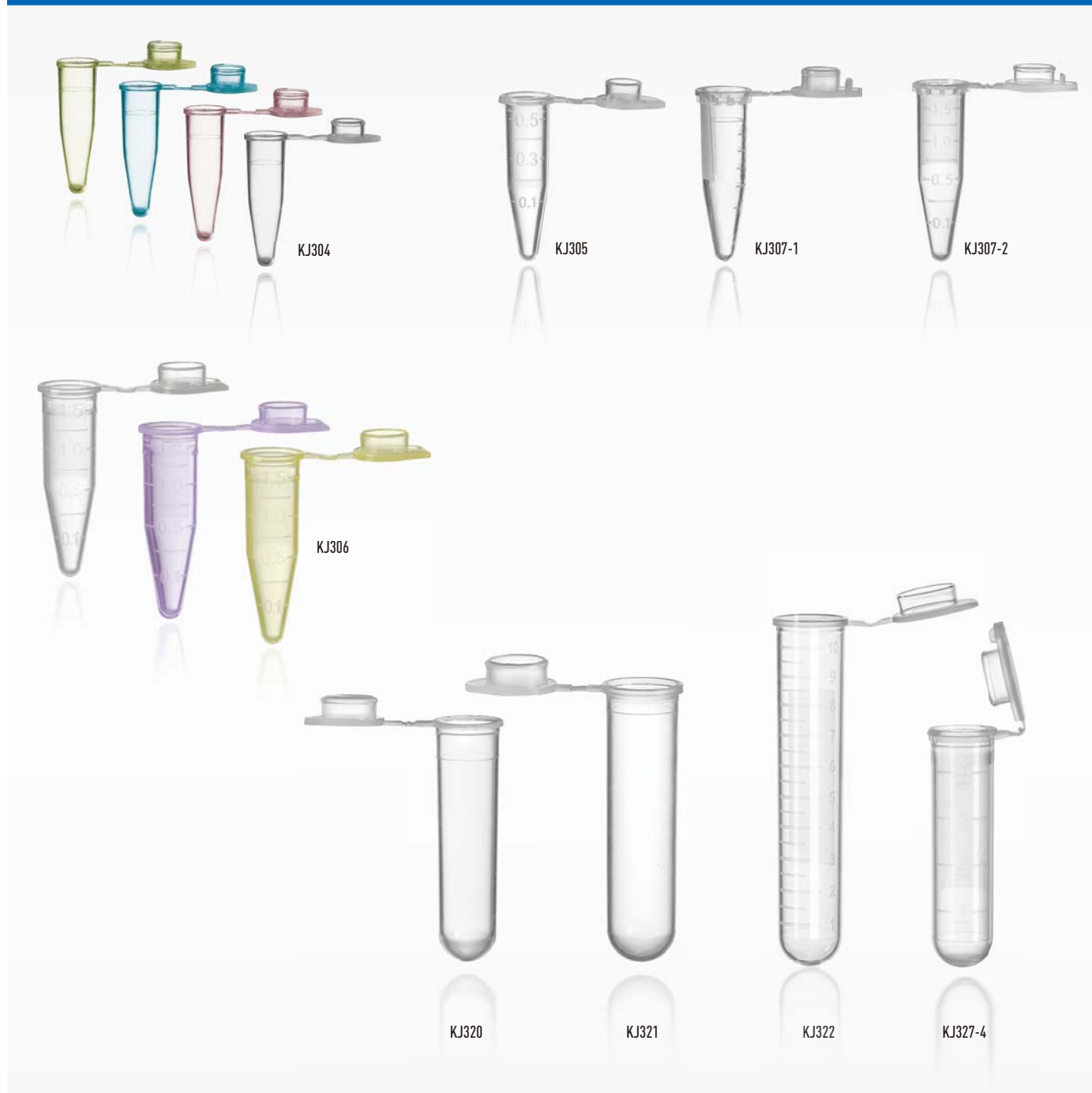
The tube cap is fitted with a leak-proof O-ring or manufactured via two-color injection molding, ensuring effective leak prevention.



Hinged screw cap avoids cross contamination



## Micro Centrifuge Tube



| REF     | MAT |  | RCF*    |  |  |  | Original REF. |
|---------|-----|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ304   | PP  | 0.2mL                                                                               | 17800×g | 1000                                                                                | 50000                                                                               | Transparent / Yellow / Blue / Red                                                     | 091-0201      |
| KJ305   | PP  | 0.5mL                                                                               | 13050×g | 1000                                                                                | 20000                                                                               | Standard snap cap                                                                     | 091-0501      |
| KJ307-1 | PP  | 0.5mL                                                                               | 13050×g | 1000                                                                                | 20000                                                                               | Standard snap cap                                                                     | 091-0502      |
| KJ307-2 | PP  | 1.5mL                                                                               | 17800×g | 500                                                                                 | 10000                                                                               | Standard snap cap, Ribbed                                                             | 091-1501      |
| KJ306   | PP  | 1.5mL                                                                               | 17800×g | 500                                                                                 | 10000                                                                               | Standard snap cap, Transparent, Multi color available                                 | 091-1503      |
| KJ320   | PP  | 5mL                                                                                 | 19300×g | 300                                                                                 | 6000                                                                                | Snap cap, Round bottom                                                                | 091-5004      |
| KJ321   | PP  | 7mL                                                                                 | 19300×g | 200                                                                                 | 2400                                                                                | Snap cap, Round bottom                                                                | 091-7001      |
| KJ322   | PP  | 10mL                                                                                | 16000×g | 200                                                                                 | 2800                                                                                | Snap cap, Round bottom, volume scale                                                  | 091-0001      |
| KJ327-4 | PP  | 4mL                                                                                 | 19300×g | 300                                                                                 | 4500                                                                                | Snap cap, Round bottom, Ribbed, volume scale                                          | 091-4001      |

\*Typical data for reference only. Actual product may vary.



## Micro Centrifuge Tube



| REF     | MAT |       | RCF*    |      |       |                                                        | Original REF. |
|---------|-----|-------|---------|------|-------|--------------------------------------------------------|---------------|
| KJ327-2 | PP  | 1.5mL | 17800×g | 500  | 10000 | Snap cap with safety lock, Ribbed, volume scale        | 091-1502      |
| KJ327-3 | PP  | 2mL   | 17800×g | 500  | 6000  | Snap cap with safety lock, Ribbed, volume scale        | 091-2003      |
| KJ327   | PP  | 5mL   | 19300×g | 300  | 3000  | Snap cap with safety lock, Multicolor available        | 091-5002      |
| KJ327-5 | PP  | 5mL   | 19300×g | 300  | 3000  | Screw cap, Ribbed                                      | 091-5003      |
| KJ315   | PP  | 1.5mL | 17800×g | 500  | 10000 | Leakproof hinged screw cap, Multicolor cap a available | 091-1505      |
| KJ316-3 | PP  | 0.5mL | 17800×g | 1000 | 20000 | Leakproof screw cap, Multicolor cap                    | 091-0503      |
| KJ316-6 | PP  | 0.5mL | 17800×g | 1000 | 20000 | Leakproof hinged screw cap, Multicolor cap             | 091-0505      |
| KJ316-4 | PP  | 1mL   | 17800×g | 500  | 10000 | Leakproof screw cap, Multicolor cap                    | 091-1001      |
| KJ316-7 | PP  | 1mL   | 17800×g | 500  | 10000 | Leakproof hinged screw cap, Multicolor cap             | 091-1002      |
| KJ316-5 | PP  | 1.5mL | 17800×g | 500  | 10000 | Leakproof screw cap, Multicolor cap                    | 091-1506      |
| KJ316-8 | PP  | 1.5mL | 17800×g | 500  | 10000 | Leakproof hinged screw cap, Multicolor cap             | 091-1507      |

\*Typical data for reference only. Actual product may vary.

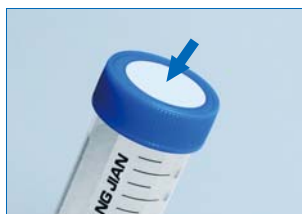


## 10/15/20/50mL Centrifuge Tube

- Made of high grade transparent PP material, widely used in molecular biology, clinical chemistry, biochemistry research.
- Clear white or black graduation on tubes, Large white writing area for easy marking.
- Easy One-hand operation to open or close the cap.
- Maximum RCF at 11000×g.
- Standard tolerance from -25°C to 121°C, with custom materials for -80°C to 121°C range.
- Available in bulk or individual pack.
- Available in sterile by E.O. or irradiation radiation.



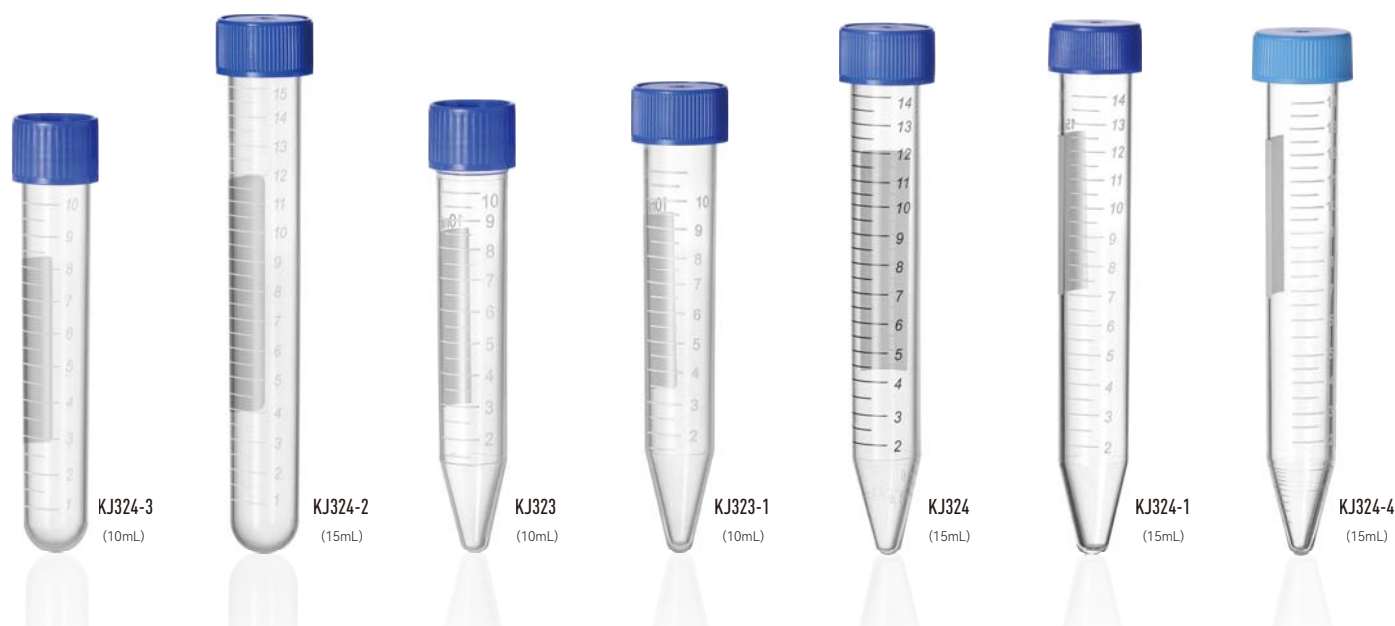
Printing graduation + large white writing area. Printing color can be customized.



White writing label on cap (Optional)



V-shaped bottom with graduation of 0.5mL 1mL 2mL to read microliquid.



| REF     | MAT   |                      | *           | RCF *                    |                                                                       |                          | i                                                                                                                     | Original REF. |
|---------|-------|----------------------|-------------|--------------------------|-----------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------|
| KJ324-3 | PP    | 10mL Round-bottom    | Ø15×96.5mm  | 8000×g                   | Individual pack<br>100PCS/bag                                         | 1000<br>1000             | 1.Printing graduation<br>2.Optional different package                                                                 | 092-1005      |
| KJ324-2 | PP    | 15mL Round-bottom    | Ø16×121mm   | 8000×g                   | Individual pack<br>25PCS/bag                                          | 1000<br>1000             | 1.Printing graduation<br>2.Optional different package                                                                 | 092-1506      |
| KJ323   | PP    | 10mL V-shaped bottom | Ø15.5×102mm | 11000×g                  | Individual pack<br>100PCS/bag                                         | 1000<br>1000             | 1.Printing graduation<br>2.Optional different package                                                                 | 092-1001      |
| KJ323-1 | PP    | 10mL V-shaped bottom | Ø16×106mm   | 11000×g                  | Individual pack<br>100PCS/bag                                         | 1000<br>1000             | 1.Printing graduation<br>2.Optional different package                                                                 | 092-1003      |
| KJ324   | PP/PS | 15mL V-shaped bottom | Ø16×121mm   | 9000×g(PP)<br>6000×g(PS) | Individual pack<br>25PCS/bag<br>50PCS/Foam-rank<br>50PCS/Plastic-rank | 500<br>500<br>500<br>500 | 1.Printing graduation<br>2.Bottom with injection molded graduation 0.5/1mL<br>3.Optional different package            | 092-1501      |
| KJ324-1 | PS    | 15mL V-shaped bottom | Ø16.5×122mm | 6000×g                   | Individual pack<br>25PCS/bag<br>50PCS/Foam-rank<br>50PCS/Plastic-rank | 500<br>500<br>500<br>500 | 1.Printing graduation<br>2.Optional different package                                                                 | 092-1504      |
| KJ324-4 | PS    | 15mL V-shaped bottom | Ø16.5×121mm | 6000×g                   | Individual pack<br>25PCS/bag<br>50PCS/Foam-rank<br>50PCS/Plastic-rank | 500<br>500<br>500<br>500 | 1.Printing graduation<br>2.Bottom with injection molded graduation,<br>0.1mL interval<br>3.Optional different package | 092-1507      |

\*Typical data for reference only. Actual product may vary.





## 10/15/20/50mL Centrifuge Tube



The snap-on safety cap is perfectly matched with the toothed tube, easy to open and close with one hand, preventing leakage and explosion.



Cap frosted for easy marking.



Tube frosted area for easy marking.



V-shaped bottom with graduation of 0.5mL 1mL 2mL to read microliquid.



**KJ325**  
(50mL)



**KJ326**  
(50mL)



**KJ326-7**  
(20mL)



**KJ326-8**  
(50mL)

| REF     | MAT |                                                   | *         | RCF *  |                    |      | i                                                                                                            | Original REF. |
|---------|-----|---------------------------------------------------|-----------|--------|--------------------|------|--------------------------------------------------------------------------------------------------------------|---------------|
| KJ325   | PP  | 50mL, Self standing                               | Ø30×118mm | 9000×g | Individual pack    | 500  | 1.Printing graduation<br>2.Optional different package                                                        | 092-5001      |
|         |     |                                                   |           |        | 50PCS/bag          | 500  |                                                                                                              |               |
| KJ326   | PP  | 50mL, Conical bottom                              | Ø30×118mm | 9000×g | Individual pack    | 500  | 1.Printing graduation<br>2.Bottom with Injection molded graduation 0.5/1/2mL<br>3.Optional different package | 092-5003      |
|         |     |                                                   |           |        | 25PCS/bag          | 500  |                                                                                                              |               |
|         |     |                                                   |           |        | 25PCS/Foam-rank    | 500  |                                                                                                              |               |
|         |     |                                                   |           |        | 25PCS/Plastic-rank | 500  |                                                                                                              |               |
| KJ326-7 | PP  | 20mL, Conical bottom<br>Snap cap with safety lock | Ø30×65mm  | 9000×g | Individual pack    | 1000 | 1.Injection molded graduation<br>2.Bottom with Injection molded graduation 0.5/1/2mL                         | 092-2001      |
|         |     |                                                   |           |        | 50PCS/bag          | 1000 |                                                                                                              |               |
| KJ326-8 | PP  | 50mL, Conical bottom<br>Snap cap with safety lock | Ø30×118mm | 9000×g | Individual pack    | 500  | 1.Printing graduation<br>2.Bottom with Injection molded graduation 0.5/1/2mL<br>3.Optional different package | 092-5007      |
|         |     |                                                   |           |        | 25PCS/bag          | 500  |                                                                                                              |               |
|         |     |                                                   |           |        | 25PCS/Foam-rank    | 500  |                                                                                                              |               |
|         |     |                                                   |           |        | 25PCS/Plastic-rank | 500  |                                                                                                              |               |

\*Typical data for reference only Actual product may vary

### Packaging methods



Individual pack



Multiple tubes are packed in bag



Plastic-rank packaging method



Foam-rank packaging method



## Rack for Centrifuge Tubes



KJ809-1



KJ810



KJ810-1



KJ816-8



KJ816-9



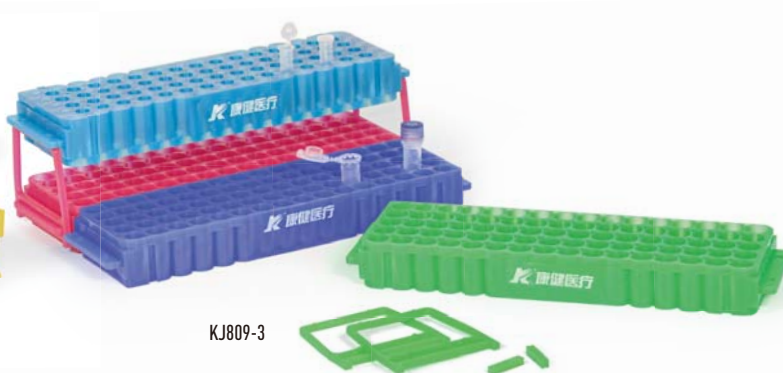
KJ816-5

| REF     | MAT | *            |             |    |                                              | Original REF. |
|---------|-----|--------------|-------------|----|----------------------------------------------|---------------|
| KJ809-1 | PP  | 125×85×30mm  | 96 Wells    | 50 | For 0.2mL Centrifuge tubes                   | 094-0002      |
| KJ810   | ABS | 165×80×25mm  | 50 Wells    | 50 | For 0.5mL Centrifuge tubes                   | 094-0003      |
| KJ810-1 | ABS | 215×110×30mm | 50 Wells    | 50 | For 1.5mL Centrifuge tubes                   | 094-0004      |
| KJ816-8 | ABS | 210×140×55mm | 50 Wells    | 50 | For 15mL Centrifuge tubes, Detachable        | 094-0005      |
| KJ816-9 | ABS | 205×170×55mm | 25 Wells    | 50 | For 50mL Centrifuge tubes, Detachable        | 094-0006      |
| KJ816-5 | ABS | 210×170×60mm | 20+30 Wells | 50 | For 15mL & 50mL Centrifuge tubes, Detachable | 094-0007      |

\*Typical dimensions for reference only. Actual product may vary.



KJ809-2



KJ809-3

| REF     | MAT | *                          |                                                                                  |          |                                                                                                                                      | Original REF. |
|---------|-----|----------------------------|----------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------|---------------|
| KJ809-2 | PP  | 175×95×50mm                | 96 Wells (0.2mL)<br>64 Wells (1.5/2mL)<br>12 Wells (5/10/15mL)<br>4 Wells (50mL) | 60       | For 0.2/1.5/2/5/10/15/50mL Centrifuge tubes.<br>Can choose different colors                                                          | 094-0008      |
| KJ809-3 | PP  | 232×66×27mm<br>(tube rack) | 60 Wells (0.5mL)<br>80 Wells (1.5/2mL)                                           | 100 Sets | Each set includes 1 tube rack, 2 brackets & 2 connecting bolts.<br>For 0.5/1.5/2mL Centrifuge tubes.<br>Can choose different colors. | 094-0009      |

\*Typical data for reference only. Actual product may vary.

# BIOBANK CRYO VIAL

# 11



- |                                 |         |
|---------------------------------|---------|
| → SBS Standard Cryostorage Vial | 120-123 |
| → TPE Capcluster-96             | 124     |
| → 96-Well SBS tube caps Rack    | 124     |
| → Multi-coded cryostorage vial  | 125-126 |
| → External Thread Cryotube      | 127     |
| → Internal Thread Cryotube      | 128     |
| → Cryovial                      | 129     |
| → Storage Box for Cryotubes     | 130     |
| → Cluster Tubes                 | 131     |

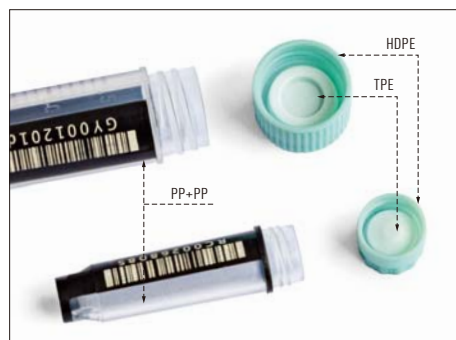




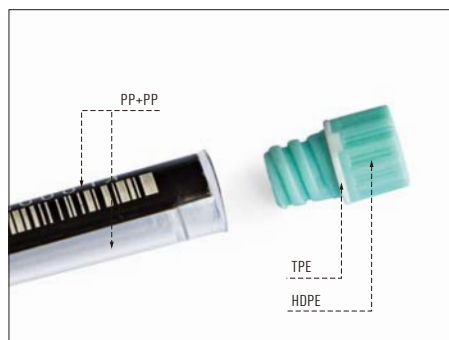
## SBS Standard Cryostorage Vial

KANGJIAN Medical SBS cryogenic tubes are manufactured using virgin polypropylene (PP) and high-density polyethylene (HDPE) materials that meet USP Class VI standards, featuring excellent biocompatibility. Tested by third-party laboratories in accordance with ISO 10993 series standards and relevant medical device industry standards, the products are DNase-free, RNase-free, embryotoxicity-free, genotoxicity-free and pyrogen-free.

SBS standard 2D cryogenic tubes adopt the international DataMatrix matrix code encoding standard, and are used with SBS standard racks conforming to ANSI/SLAS industry standards, matching laboratory automation equipment (such as liquid handling workstations, automated freezers, etc.). The industry-compliant SBS standard racks are available in 8×12 and 6×8 array layouts, equipped with dual identification including QR codes and barcodes to achieve full sample traceability.



External thread tube, body and lid is Double-shot molding process, anti-leakage.



Internal thread tube, body and lid is Double-shot molding process, anti-leakage.



96-well and 48-well SBS Standard Cryovial Boxes

2D barcode and barcode marking on side of the box.

Laser etching 2D barcode on bottom of tube, barcode and digital code on tube body, realize multi-code recognition.

Bottom of tube 2D barcode for centralized scanning recognition by professional scanners.

### Reliable raw materials, advanced manufacturing technology

Made from virgin raw materials meeting USP Class VI standards, using an integrated two-color injection molding process in a Class 100,000 cleanroom.

### Reasonable structure, excellent sealing performance.

The tube body and cap are produced using a dual-color injection molding process, ensuring more reliable sealing and leak prevention. The U-shaped bottom design facilitates full utilization of micro-volume samples.

### Laser engraved coding, wear-resistant

Both tube and rack are laser marked: QR codes, barcodes and numeric codes are fade-resistant, wear-resistant, organic solvent-resistant and remain clearly legible.

### For system management with high traceability

Digital identification enables full-process monitoring of cryopreserved sample collection, storage, sampling and distribution. Integration with HIS, LIS or biobank management systems allows for sample retrieval and full traceability.

### Excellent biocompatibility

Tested by a third-party laboratory in accordance with GB/T 16886, ISO 10993 series standards and relevant medical device industry standards, the cryogenic tubes are embryotoxicity-free, genotoxicity-free and pyrogen-free.

### Sterile Product

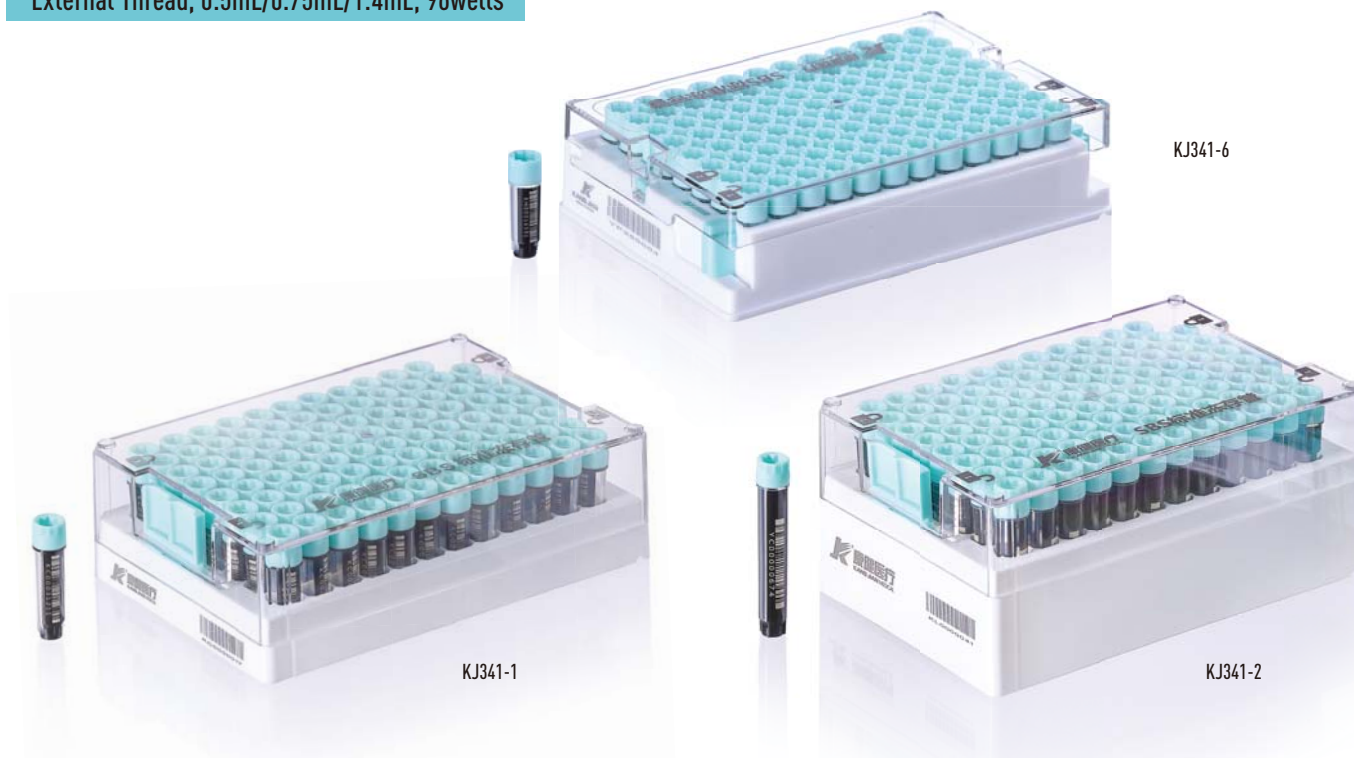
Sterilized by irradiation, achieving a sterility assurance level of  $10^{-6}$ .





## SBS Standard Cryostorage Vial

External Thread, 0.5mL/0.75mL/1.4mL, 96wells



| REF     |        |                 |                                                                                                              |             |                                       |    |    |                                                                                            | Original REF. |
|---------|--------|-----------------|--------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|----|----|--------------------------------------------------------------------------------------------|---------------|
| KJ341-6 | 0.5mL  | External Thread | Box body: PP Box lid: PC<br>Tube body: PP+PP, Double-shot molding<br>Tube lid: HDPE+TPE, Double-shot molding | -196~+121°C | Tube: Ø8.9×29mm<br>Box: 127×85×32mm   | 96 | 48 |                                                                                            | 105-0505      |
| KJ341-1 | 0.75mL |                 |                                                                                                              |             | Tube: Ø8.9×34mm<br>Box: 127×85×38mm   | 96 | 48 | The cryostorage vials are suggested to be stored only in the gas phase of liquid nitrogen. | 105-0504      |
| KJ341-2 | 1.4mL  |                 |                                                                                                              |             | Tube: Ø8.9×52mm<br>Box: 127×85×56.4mm | 96 | 36 |                                                                                            | 105-1004      |

\*Typical dimensions for reference only Actual product may vary.

Internal Thread, 0.5mL/1.0mL, 96wells



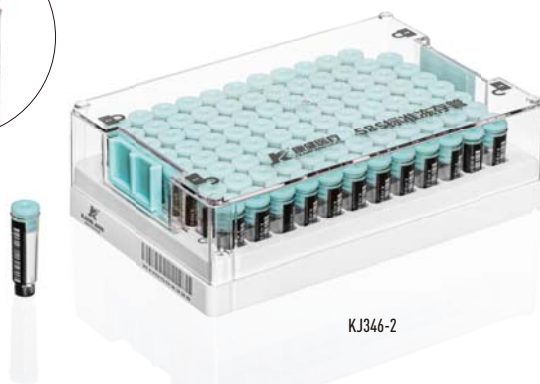
| REF     |       |                 |                                                                                                            |             |                                       |    |    |                                                                                            | Original REF. |
|---------|-------|-----------------|------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|----|----|--------------------------------------------------------------------------------------------|---------------|
| KJ341-3 | 0.5mL | Internal Thread | Box body: PP Box lid: PC<br>Tube body: PP+PP, Double-shot molding<br>Tube lid: PP+TPE, Double-shot molding | -196~+121°C | Tube: Ø8.9×34mm<br>Box: 127×85×38mm   | 96 | 48 |                                                                                            | 105-0503      |
| KJ341-4 | 1.0mL |                 |                                                                                                            |             | Tube: Ø8.9×52mm<br>Box: 127×85×56.4mm | 96 | 36 | The cryostorage vials are suggested to be stored only in the gas phase of liquid nitrogen. | 105-1003      |

\*Typical dimensions for reference only Actual product may vary.



## SBS Standard Cryostorage Vial

### Internal Thread, Flat-lid, 0.5mL/1.0mL, 96wells



KJ346-2



KJ346-3

| REF     |       |                 | MAT                                                                   |             |  | *                                       |    |    | Original REF. |
|---------|-------|-----------------|-----------------------------------------------------------------------|-------------|--|-----------------------------------------|----|----|---------------|
| KJ346-2 | 0.5mL | Internal Thread | Box body: PP Box lid: PC                                              |             |  | Tube: Ø8.8×28.8mm<br>Box: 127×85×33.3mm | 96 | 48 | 105-0506      |
| KJ346-3 | 1.0mL | Flat-lid        | Tube body: PP+PP, Double-shot molding<br>Tube lid: PP+Silicone O-ring | -196~+121°C |  | Tube: Ø8.8×47mm<br>Box: 127×85×51.4mm   | 96 | 36 | 105-1007      |

\*Typical dimensions for reference only. Actual product may vary.

### External Thread, 1mL, 48wells



KJ342-1



KJ342-4

| REF     |     |                 | MAT                                                                                                          |             |  | *                                    |    |    | Original REF. |
|---------|-----|-----------------|--------------------------------------------------------------------------------------------------------------|-------------|--|--------------------------------------|----|----|---------------|
| KJ342-1 | 1mL | External Thread | Box body: PP Box lid: PC<br>Tube body: PP+PP, Double-shot molding<br>Tube lid: TPE+HDPE, Double-shot molding | -196~+121°C |  | Tube: Ø13×31.5mm<br>Box: 127×85×38mm | 48 | 48 | 105-1005      |
| KJ342-4 | 1mL | External Thread | Box body: PP Box lid: PC<br>Tube body: PP+PP, Double-shot molding<br>Tube lid: HDPE                          |             |  | Tube: Ø13×20mm<br>Box: 127×85×24.5mm | 48 | 48 | 105-1006      |

\*Typical dimensions for reference only. Actual product may vary.





SBS Standard Cryostorage Vial

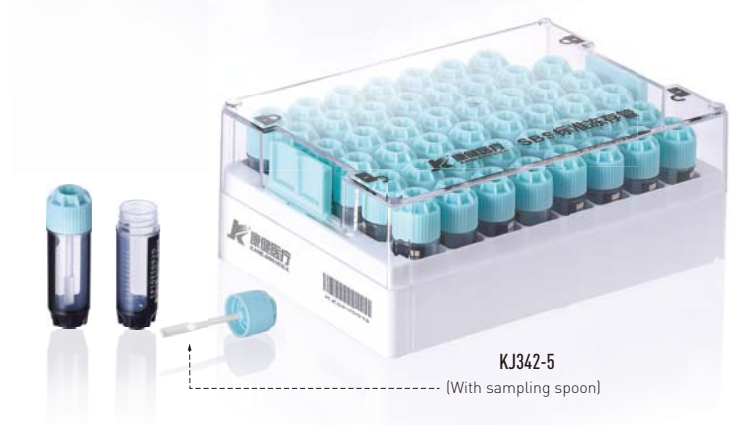
External Thread, 2mL/5mL, 48wells



KJ342-3



KJ342-2



KJ342-5

(With sampling spoon)

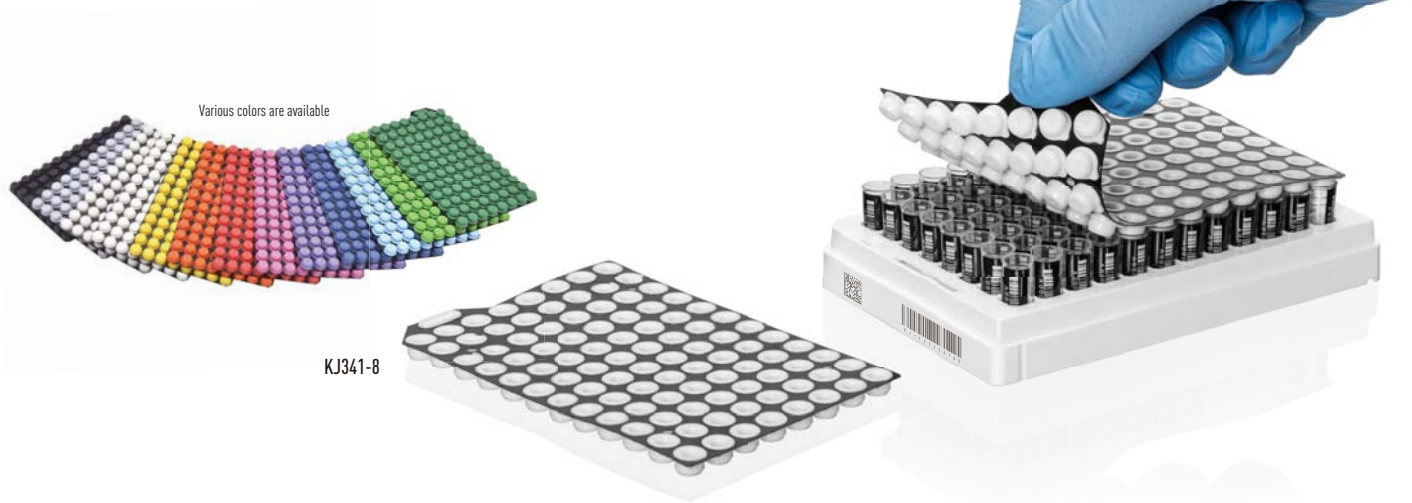
| REF     |     |                     |                                                                                  |             |                                    |    |    |                                                                                           | Original REF. |
|---------|-----|---------------------|----------------------------------------------------------------------------------|-------------|------------------------------------|----|----|-------------------------------------------------------------------------------------------|---------------|
| KJ342-3 | 5mL | External Thread     | Box body: PP Box lid: PC                                                         | -196~+121°C | Tube: Ø13×80mm<br>Box: 127×85×85mm | 48 | 24 | The cryostorage vials are suggested to be stored only in the gas phase of liquid nitrogen | 105-5001      |
| KJ342-2 | 2mL |                     | Tube body: PP+PP, Double-shot molding<br>Tube lid: TPE+HDPE, Double-shot molding |             | Tube: Ø13×43mm<br>Box: 127×85×50mm | 48 | 36 |                                                                                           | 105-2001      |
| KJ342-5 | 2mL | With sampling spoon |                                                                                  |             | Tube: Ø13×43mm<br>Box: 127×85×50mm | 48 | 36 |                                                                                           | 105-2002      |

\*Typical dimensions for reference only. Actual product may vary.



## TPE Capcluster-96

- ◇ Compatible with 96-well SBS cryogenic storage boxes, including KANGJIAN® 0.5ml and 1ml internally threaded tubes, as well as 0.5ml, 0.75ml and 1.4ml externally threaded tubes.
- ◇ The capcluster made of TPE (thermoplastic elastomer), which is soft and elastic at room temperature, enabling fast and effective sealing of samples inside the tubes.
- ◇ One black carrier sheet with 96 tube caps seals an entire box of 96 SBS cryogenic tubes at once. After pressing to seal, the black carrier sheet can be easily removed, with each tube individually sealed.
- ◇ This product is for single use. It is available in natural color and a variety of color combinations for visual color identification and differentiation.
- ◇ DNase-free, RNase-free, endotoxin-free, embryotoxicity-free, cytotoxicity-free and pyrogen-free.
- ◇ Sterilized by irradiation, achieving a sterility assurance level of 10<sup>-6</sup>.



| REF     | MAT                              |          |                                                |    |           |
|---------|----------------------------------|----------|------------------------------------------------|----|-----------|
| KJ341-8 | TPE<br>(Thermoplastic Elastomer) | 114×72mm | -80~+100℃<br>(Do not store in liquid nitrogen) | 50 | STERILE R |

\*Typical dimensions for reference only. Actual product may vary.

## 96-Well SBS tube caps Rack

- ◇ This product is used to hold a full box of tube caps after uncapping 96-well SBS cryogenic tubes with the KANGJIAN® automatic capping machine. It can accommodate caps for 0.5ml and 1ml internally threaded cryogenic tubes, as well as caps for 0.5ml, 0.75ml and 1.4ml externally threaded cryogenic tubes.
- ◇ Separated tube caps can be loaded into the carrier rack as a full set of 96 pieces at one time inside the automatic capping machine. This prevents human contamination of tube caps, avoids cross-contamination of samples in the tubes, and improves the working efficiency of laboratory personnel.
- ◇ It is marked with A-H and 1-12 positioning coordinates corresponding to SBS cryogenic storage boxes. A unique barcode is attached to the side of the carrier rack, and a chamfer design is applied to prevent reversed placement.
- ◇ The tube cap carrier rack is reusable. It can be cleaned, autoclaved and reused after high-temperature and high-pressure sterilization.



| REF   | MAT  |               |    |
|-------|------|---------------|----|
| KJ345 | HIPS | 85×127×17.3mm | 50 |

\*Typical dimensions for reference only. Actual product may vary.



## Multi-coded cryostorage vial

5mL 2mL 1mL, 100wells



KJ343-1

KJ343

KJ343-3

| REF     |     |                                                                                             |                                       |             |     |      |                                                                                            | Original REF. |
|---------|-----|---------------------------------------------------------------------------------------------|---------------------------------------|-------------|-----|------|--------------------------------------------------------------------------------------------|---------------|
| KJ343-1 | 5mL | Box: PC<br>Tube body: PP+PP, Double-shot molding<br>Tube lid: TPE+HDPE, Double-shot molding | Tube: Ø13×80mm<br>Box: 133×133×85mm   | -196~+121°C | 100 | 600  | The cryostorage vials are suggested to be stored only in the gas phase of liquid nitrogen. | 104-5001      |
| KJ343   | 2mL |                                                                                             | Tube: Ø13×43mm<br>Box: 133×133×47.4mm | -196~+121°C | 100 | 1200 |                                                                                            | 104-2001      |
| KJ343-3 | 1mL |                                                                                             | Tube: Ø13×31.5mm<br>Box: 133×133×36mm | -196~+121°C | 100 | 1200 |                                                                                            | 104-1001      |

\*Typical dimensions for reference only. Actual product may vary.

0.75mL(External thread) 0.5mL(Internal thread), 196wells



KJ343-2

| REF     |                             |                                                                                             |                                        |             |     |      |                                                                                            | Original REF. |
|---------|-----------------------------|---------------------------------------------------------------------------------------------|----------------------------------------|-------------|-----|------|--------------------------------------------------------------------------------------------|---------------|
| KJ343-2 | 0.75mL<br>(External Thread) | Box: PC<br>Tube body: PP+PP, Double-shot molding<br>Tube lid: TPE+HDPE, Double-shot molding | Tube: Ø8.9×34mm<br>Box: 132×132×36.5mm | -196~+121°C | 196 | 2352 | The cryostorage vials are suggested to be stored only in the gas phase of liquid nitrogen. | 104-0751      |
| KJ343-5 | 0.5mL<br>(Internal Thread)  |                                                                                             | Tube: Ø8.9×34mm<br>Box: 132×132×36.5mm | -196~+121°C | 196 | 2352 |                                                                                            | 104-0503      |

\*Typical dimensions for reference only. Actual product may vary.



## Multi-coded cryostorage vial

With the rapid development on the modern biotechnology, many biobanks are launched in the university labs, hospital sample library and research/testing center. To guarantee the safe, ordered and digitized management for the biobank, with purpose of preventing mistake by manual marking on the tubes and improving efficiency, cryovials with 2D barcode are your most ideal choice.

- ◆ Made of pure polypropylene raw material in accordance with USP Class VI, produced in GMP Class 100,000 clean workshop. No burst, no leakage, good sealing when stored in ultra-hypothermia liquid nitrogen (-196°C).
- ◆ The tube bottom is upgraded to a double-shot molding process.
- ◆ Multi code integrated in one: 2D barcode on the tube bottom + bar code on writing area + Number code. Each tube has its unique identifying information. Laser etched 2D barcode and bar code, no fading, no peeling, good stability.
- ◆ Clear black printed graduation, large white writing area on the tube, with multi-color optional cap colors.
- ◆ Hollow design for the bottom of the cryogenic box, especially used in centralized scanning of the 2D barcode on the tube bottom by the bench top 2D barcode reader. The unique bar code on the box side can carry out convenient classified-querying and centralized management.
- ◆ DNA/RNA free, Non-pyrogenic, no endotoxin, no cytotoxicity. Irradiation sterilization is available.

### 1.5mL 0.5mL, 100wells



Laser etched bar code and number code.



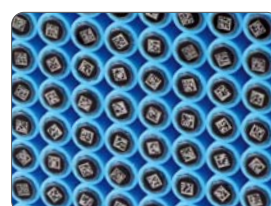
Laser etched 2D barcode on the bottom.



Bar code on the box side.



Clear and precisely printed grid on the box lid.



Hollow design for centralized scanning by reader.



KJ340-3



KJ340-5

\*Typical dimensions for reference only. Actual product may vary.

| REF     |       | MAT                                     | *              |             |                      |     |      |                                                                 | Original REF. |
|---------|-------|-----------------------------------------|----------------|-------------|----------------------|-----|------|-----------------------------------------------------------------|---------------|
| KJ340-1 | 0.5mL | Tube: PP+PP<br>Double-shot injection    | Ø12.3×31.3mm   | -196~+121°C | 25(PCS/Bag)          | 500 | 1000 |                                                                 | 104-0501      |
| KJ340-3 | 0.5mL |                                         | 133×133×36mm   | -196~+121°C | 100(PCS/Storage box) | 600 | 2000 | STERILE R                                                       | 104-0502      |
| KJ340-2 | 1.5mL | Box:<br>Box cover: PC<br>Base frame: PP | Ø12.3×46.6mm   | -196~+121°C | 25(PCS/Bag)          | 500 | 1000 | Suggested to be stored only in the gas phase of liquid nitrogen | 104-1501      |
| KJ340-5 | 1.5mL |                                         | 133×133×51.4mm | -196~+121°C | 100(PCS/Storage box) | 600 | 1200 |                                                                 | 104-1503      |

**Warning:** The cryovials are suggested to be stored only in the gas phase above the liquefied surface (i.e., in the gas state of the liquid nitrogen). Do not immerse the cryovials directly into the liquid below the liquefied surface (e.g., in the liquid nitrogen) for preservation, to prevent accidents caused by rapid expansion of the gas pressure inside the tubes.





## External Thread Cryotube

- ◎ The cryotubes are made of polypropylene (PP) conforming to USP Class VI standards. They are single-use consumables specially designed for biological sample storage and meet ISO 10993 biocompatibility standards.
- ◎ Resists low temperatures down to -196°C in the liquid nitrogen vapor phase (the gaseous environment above liquid nitrogen).
- ◎ The externally threaded cap of the external-thread cryogenic tube reduces the risk of sample contamination.
- ◎ The tube cap is upgraded with a dual-color injection molding process. No cracking occurs under standard operation. Excellent sealing performance is guaranteed even at the lowest storage temperature, ensuring the safety of samples and laboratory personnel.
- ◎ The textured design of the cap facilitates screwing. The cap is equipped with multi-color insertable color codes for easy identification.
- ◎ Both the tube cap and tube body are manufactured from PP raw materials of the same batch and model. Identical expansion coefficients ensure stable sealing performance of the product.
- ◎ Barcodes and dual numeric codes support digital sample management and easy identification, with a large marking area for convenient labeling.
- ◎ The rounded bottom design facilitates liquid concentration and minimizes residue.
- ◎ Available in general grade and PCR grade to meet different requirements. PCR-grade products are produced in a cleanroom, RNase-free, DNase-free, endotoxin-free, and pyrogen-free. Sterilized by irradiation.



Bar code + digital code, convenient for sample management.



Double-shot molding process, anti-leakage.



Embedded Color lid.



KJ335-7



KJ334-6



KJ334-1



KJ334



KJ334-5



KJ334-4



KJ334-3



KJ334-2

\*Typical dimensions for reference only. Actual product may vary.

| REF     | MAT                                                        | *            |           |             |      |       |               | Original REF. |
|---------|------------------------------------------------------------|--------------|-----------|-------------|------|-------|---------------|---------------|
| KJ334-6 | Cap:<br>PP+TPE<br>Double-shot injection<br><br>Tube:<br>PP | Ø13.8×41.3mm | 1.0mL     | -196~+121°C | 500  | 5000  | Self standing | 102-1001      |
| KJ334-1 |                                                            | Ø13.8×46.5mm | 1.8mL     | -196~+121°C | 500  | 5000  | Round bottom  | 102-1801      |
| KJ334   |                                                            | Ø13.8×47.5mm | 1.8mL     | -196~+121°C | 500  | 5000  | Self standing | 102-1802      |
| KJ334-5 |                                                            | Ø13.8×75.3mm | 3.6mL     | -196~+121°C | 200  | 2000  | Round bottom  | 102-3501      |
| KJ334-4 |                                                            | Ø13.8×77mm   | 3.6mL     | -196~+121°C | 200  | 2000  | Self standing | 102-3502      |
| KJ334-3 |                                                            | Ø13.8×90mm   | 4.5mL     | -196~+121°C | 200  | 2000  | Round bottom  | 102-4501      |
| KJ334-2 |                                                            | Ø13.8×90.5mm | 4.5mL     | -196~+121°C | 200  | 2000  | Self standing | 102-4502      |
| KJ335-7 | PP                                                         | Ø9×5mm       | Universal | -196~+121°C | 1000 | 30000 | Multi colour  | 102           |

**Warning:** The cryovials are suggested to be stored only in the gas phase above the liquefied surface (i.e., in the gas state of the liquid nitrogen). Do not immerse the cryovials directly into the liquid below the liquefied surface (e.g., in the liquid nitrogen) for preservation, to prevent accidents caused by rapid expansion of the gas pressure inside the tubes.



## Internal Thread Cryotube

- ◎ The cryotube is made of medical-grade polypropylene (PP) and are single-use laboratory consumables specially designed for biological sample storage.
- ◎ The internal-thread design provides stronger sealing for cryopreserved biological samples. Designed for sample storage in liquid nitrogen vapor phase, resistant to low temperatures down to  $-196^{\circ}\text{C}$ .
- ◎ The tube cap is upgraded with a two-color injection molding process to ensure the safety of samples and laboratory personnel.
- ◎ The textured cap design facilitates screwing. The cap is equipped with multi-color insertable color codes for easy identification.
- ◎ Both the tube cap and tube body are made of PP raw materials of the same batch and model. Identical expansion coefficients ensure stable sealing performance.
- ◎ Barcodes and dual numeric codes enable digital sample management and easy identification, with a large marking area for convenient labeling.
- ◎ The rounded bottom design facilitates liquid concentration and reduces residue.
- ◎ Please operate strictly in accordance with laboratory standard operating procedures. No cracking will occur under standard operation.
- ◎ Available in general grade and PCR grade to meet different requirements. PCR-grade products are produced in a cleanroom, RNase-free, DNase-free, endotoxin-free and pyrogen-free, and sterilized by irradiation.



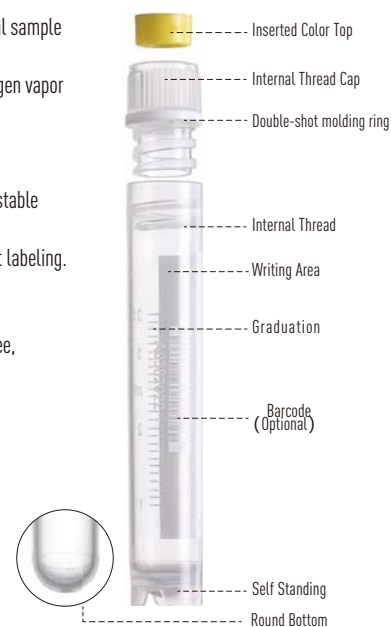
Bar code + digital code, convenient for sample management.



Double-shot molding process, anti-leakage.



Embedded Color lid.



KJ335-7



KJ335-6



KJ335-1



KJ335



KJ335-5



KJ335-4



KJ335-3



KJ335-2

\*Typical dimensions for reference only. Actual product may vary.

| REF     | MAT                                                        | *<br>[Diagram] | [Diagram] | [Diagram]   | [Diagram] | [Diagram] | [Diagram]     | Original REF. |
|---------|------------------------------------------------------------|----------------|-----------|-------------|-----------|-----------|---------------|---------------|
| KJ335-6 | Cap:<br>PP+TPE<br>Double-shot injection<br><br>Tube:<br>PP | Ø12.7×40mm     | 1.0mL     | -196~+121°C | 500       | 5000      | Self standing | 103-1001      |
| KJ335-1 |                                                            | Ø12.7×48mm     | 1.8mL     | -196~+121°C | 500       | 5000      | Round bottom  | 103-1801      |
| KJ335   |                                                            | Ø12.7×48mm     | 1.8mL     | -196~+121°C | 500       | 5000      | Self standing | 103-1802      |
| KJ335-5 |                                                            | Ø12.7×76mm     | 3.6mL     | -196~+121°C | 200       | 2000      | Round bottom  | 103-3501      |
| KJ335-4 |                                                            | Ø12.7×77mm     | 3.6mL     | -196~+121°C | 200       | 2000      | Self standing | 103-3502      |
| KJ335-3 |                                                            | Ø12.7×90mm     | 4.5mL     | -196~+121°C | 200       | 2000      | Round bottom  | 103-4501      |
| KJ335-2 |                                                            | Ø12.7×92mm     | 4.5mL     | -196~+121°C | 200       | 2000      | Self standing | 103-4502      |

**Warning:** The cryovials are suggested to be stored only in the gas phase above the liquefied surface (i.e., in the gas state of the liquid nitrogen). Do not immerse the cryovials directly into the liquid below the liquefied surface (e.g., in the liquid nitrogen) for preservation, to prevent accidents caused by rapid expansion of the gas pressure inside the tubes.





## Cryovial

- KANGJIAN<sup>®</sup> Cryovial is made of polypropylene (PP) meeting USP Class VI standards. These products are single-use consumables specially designed for biological sample storage and comply with ISO 10993 biocompatibility standards.
- Anti-slip textures on the tube cap and tube body facilitate capping and decapping.
- The tube cap adopts an upgraded two-color injection molding process, providing more reliable sealing and leak prevention than O-ring gaskets.
- The cryogenic tubes are suitable for ultra-low temperature freezers (storage in liquid nitrogen vapor phase is not recommended), with a temperature resistance range of -86 to 121°C and can withstand repeated freeze-thaw cycles.
- Tube caps in different colors are available upon request.
- Available in general grade and PCR grade to meet different requirements. PCR-grade products are DNase-free, RNase-free, endotoxin-free and exogenous DNA-free. They are sterilized by irradiation and sterile.



Ribbed design of cap and body for easy one-handed operation.



Double-shot molding process, anti-leakage.



V bottom is conducive to centralized processing of trace samples.



KJ320-3



KJ320-8



KJ320-1



KJ320-9



KJ320-2



KJ320-10



KJ318



KJ317

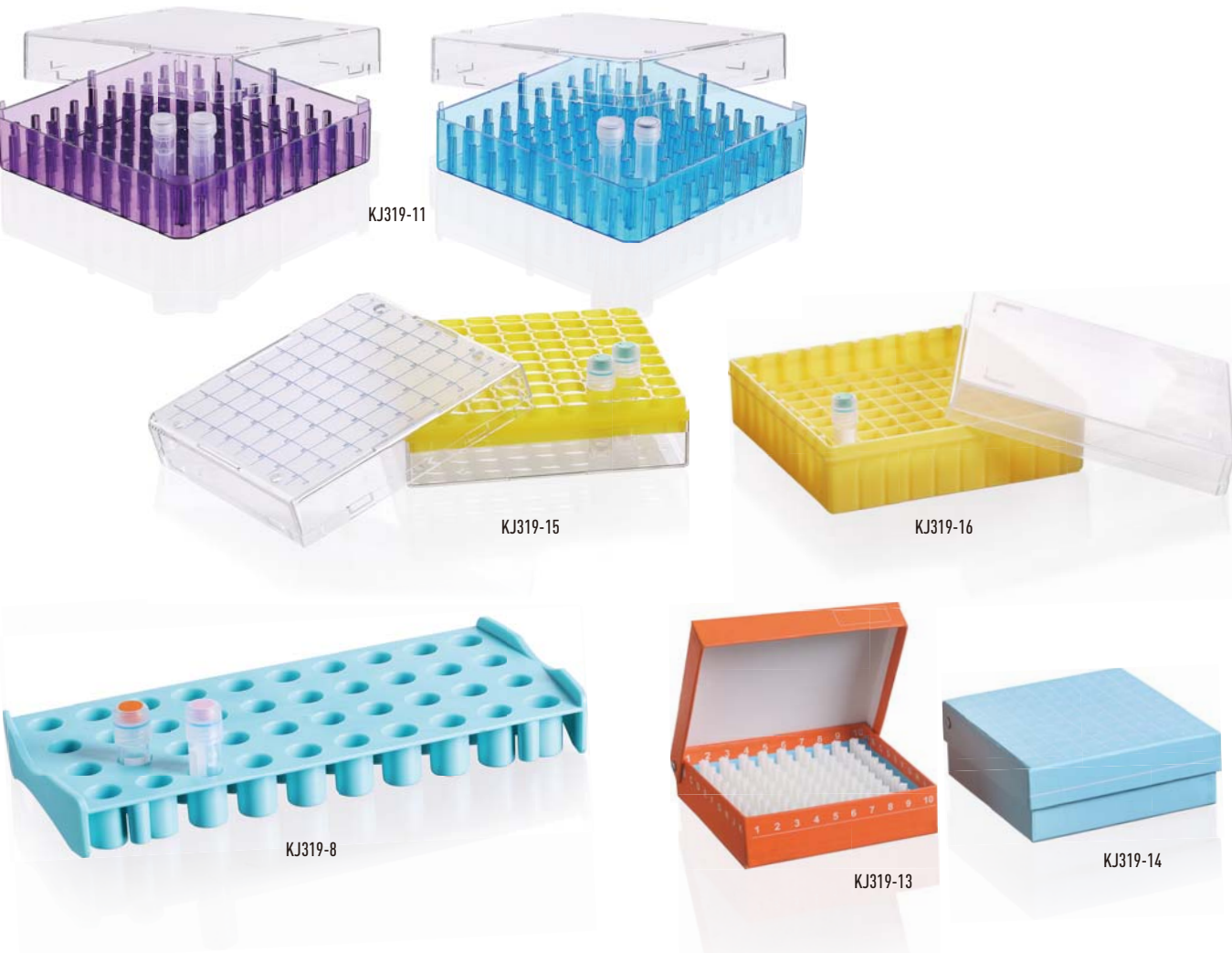
| REF      | MAT                                                    | *            |       |             |     |      | Original REF. |
|----------|--------------------------------------------------------|--------------|-------|-------------|-----|------|---------------|
| KJ320-3  | Cap: PP+TPE<br>(Double-shot injection)<br><br>Tube: PP | Ø13×46.5mm   | 0.5mL | -86--+121°C | 500 | 5000 | 101-0501      |
| KJ320-8  |                                                        | Ø13×46.5mm   | 1.5mL | -86--+121°C | 500 | 5000 | 101-1501      |
| KJ320-1  |                                                        | Ø13×46.5mm   | 1.5mL | -86--+121°C | 500 | 5000 | 101-1502      |
| KJ320-9  |                                                        | Ø13×46.5mm   | 2.0mL | -86--+121°C | 500 | 5000 | 101-2001      |
| KJ320-2  |                                                        | Ø13×46.5mm   | 2.0mL | -86--+121°C | 500 | 5000 | 101-2002      |
| KJ320-10 |                                                        | Ø13×49mm     | 2.0mL | -86--+121°C | 500 | 5000 | 101-2003      |
| KJ318    |                                                        | Ø14×45mm     | 1.8mL | -86--+121°C | 500 | 5000 | 101-1801      |
| KJ317    |                                                        | Ø20.4×58.6mm | 5.0mL | -86--+121°C | 200 | 2000 | 101-5001      |

\*Typical dimensions for reference only. Actual product may vary.



# Storage Box for Cryotubes

- ◎ Storage box for neatly organizing cryotubes, compatible with ultra-low temperature freezers and liquid nitrogen environments. It prevents tube tipping and sample contamination, and facilitates batch labeling, access and storage.
- ◎ Common materials include PP, PC, ABS, or paper/cardboard, all suitable for low-temperature storage. Plastic versions are autoclavable, chemically resistant, and reusable after cleaning. The transparent lid combines structural strength with visibility, and features alphanumeric grid numbering for easy sample location.



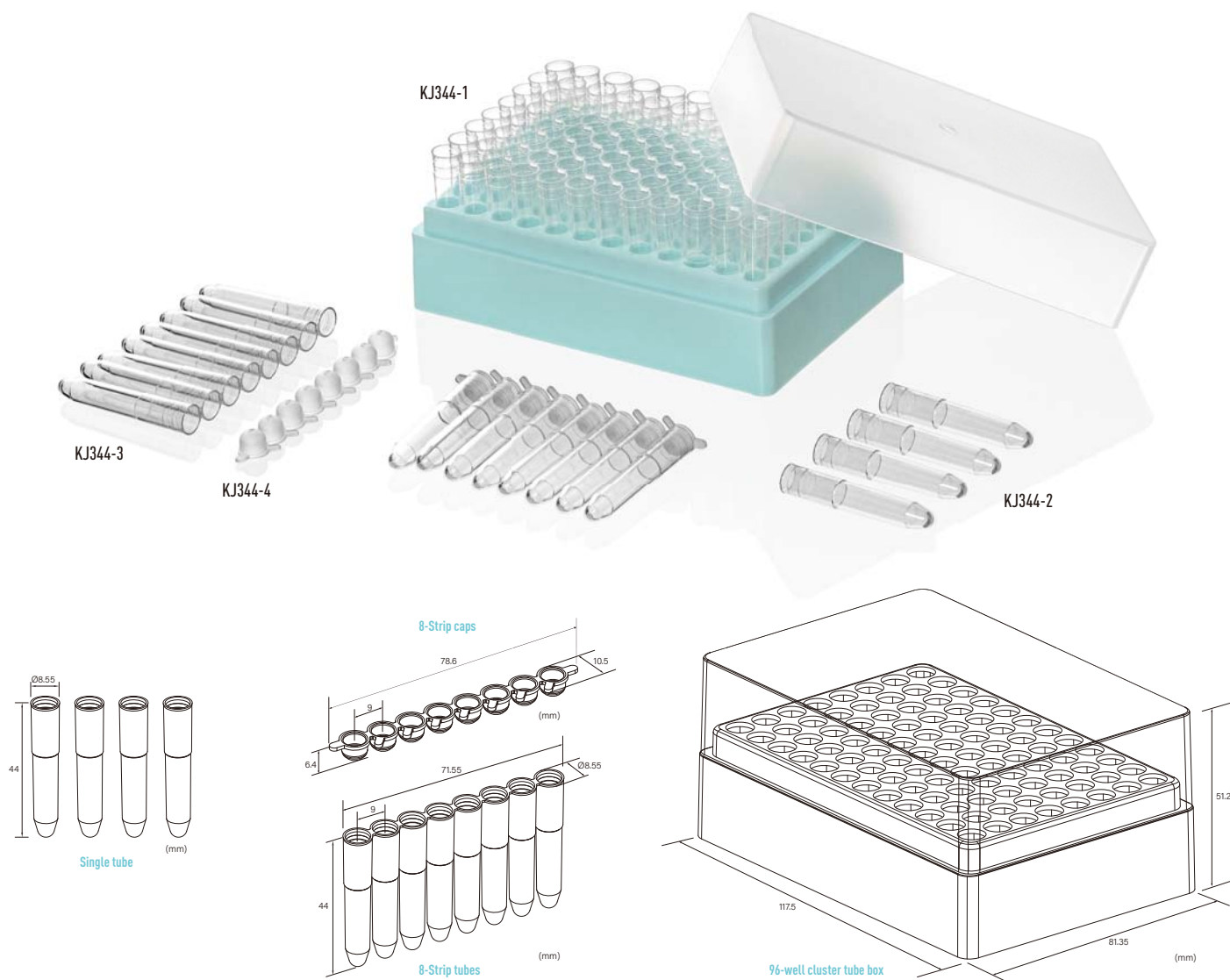
| REF      | MAT                             | *              |          |             |   |    |                            | Original REF. |
|----------|---------------------------------|----------------|----------|-------------|---|----|----------------------------|---------------|
| KJ319-11 | PC                              | 133×133×53mm   | 100wells | -196~+121°C | 1 | 50 | Transparent purple or blue | 106-0001      |
| KJ319-15 | PC                              | 133×133×53mm   | 81wells  | -196~+121°C | 1 | 50 |                            | 106-0002      |
| KJ319-16 | PP                              | 151×151×56.5mm | 100wells | -196~+121°C | 1 | 50 |                            | 106-0003      |
| KJ319-8  | ABS                             | 216×100×26mm   | 40wells  | -80~+121°C  | 1 | 50 | White or light blue        | 106-0006      |
| KJ319-13 | Cardboard box<br>PP grid        | 130×130×50mm   | 100wells | -196~+121°C | 1 | 50 |                            | 106-0004      |
| KJ319-14 | Cardboard box<br>Cardboard grid | 130×130×50mm   | 81wells  | -196~+121°C | 1 | 50 |                            | 106-0005      |

\*Typical dimensions for reference only. Actual product may vary.



## Cluster Tubes

- The 1.1mL 96-well cluster tube rack is in compliance with ANSI-SBS standards, suitable for use with multi-channel pipettors and automated liquid handling workstations with SBS standard-sized carriers.
- The tubes are made from highly transparent imported PP material, offering excellent chemical stability, suitable for the low-temperature storage of cells, drugs, tissues, serum, etc.
- The cluster tubes are available in single, 8-strip, and 12-strip configurations. Tube caps are available in 8-strip and 12-strip options.
- Designed with a one-way lid and an alphanumeric grid to ensure positive sample identification.
- The rack features a hollow bottom and sidewalls for good thermal conductivity and supports direct immersion in water baths with the rack.
- Resistant to low temperatures down to -80°C for storage, and withstands autoclaving at high temperature and pressure.



| REF     |               |     |            |    |     |    |    |                          | Original REF. |
|---------|---------------|-----|------------|----|-----|----|----|--------------------------|---------------|
| KJ344   | Single tube   | PP  |            | 96 | -   | 36 | -  | Packaging method: boxed  | 107-1011      |
| KJ344-2 | 1.1mL         |     |            | -  | 960 | -  | 10 | Packaging method: bagged | 107-1021      |
| KJ344-1 | 8-Strip tubes | PP  | -80~+121°C | 12 | -   | 36 | -  | Packaging method: boxed  | 107-1012      |
| KJ344-3 | 1.1mL×8       |     |            | -  | 120 | -  | 10 | Packaging method: bagged | 107-1022      |
| KJ344-4 | 8-Strip caps  | TPE |            | -  | 120 | -  | 10 | Packaging method: bagged | 107-0001      |

\*Typical dimensions for reference only. Actual product may vary.

# HISTOPATHOLOGY & OTHER CONSUMABLES

# 12



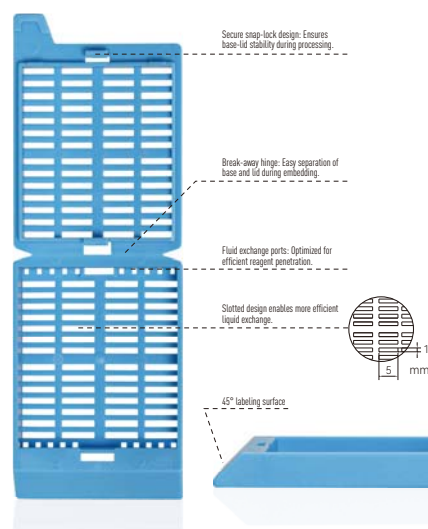
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## Tissue Cassettes

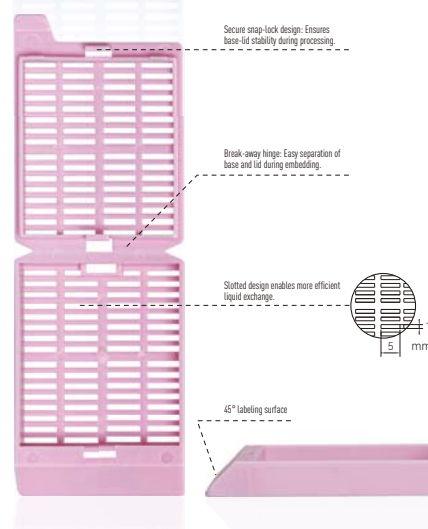
KANGJIAN® Tissue embedding cassettes are manufactured from the new POM material, which provides excellent rigidity and precise dimensions, significantly reducing deformation of the wax block during embedding, freezing, and sectioning due to temperature differences. The scientific snap-fit design ensures the tightness between the bottom and the lid of the embedding cassette during the tissue processing. With multiple angles of the writing surface design, it is compatible with the main embedding cassette printers widely. Various slot types and assembly methods are designed to meet the different experimental requirements and usage habits of professional users. To ease visual fatigue during work and to facilitate the distinction of different types of samples, we offer products in multiple colors.



Designed for histological specimens with 5×1mm rectangle pores to enhance fluid exchange during tissue processing. Features a break-away integrated lid for seamless workflow.

- Features :
- ◇ POM material: 100% chemical-resistant (Polyoxymethylene).
  - ◇ Large writing surfaces: On both sides and front 45° writing surface.
  - ◇ Compatibility: Supports manual labeling and automated printers for integrated lid-cassette marking.

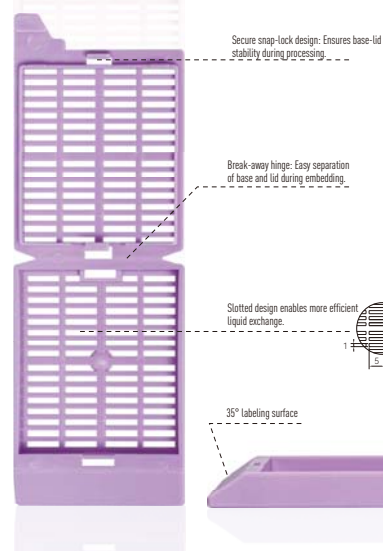
| REF     |                                                         |                                 | Original REF. |
|---------|---------------------------------------------------------|---------------------------------|---------------|
| KJ802-6 |                                                         |                                 |               |
|         | 40 pieces/stack<br>200 pieces/box<br>2400 pieces/carton | Break-away lids<br>Tape-stacked | 181-0205      |



Designed for histological specimens with 5×1mm rectangle pores to enhance fluid exchange efficiency during tissue processing. Equipped with break-away integrated lids.

- Features :
- ◇ POM material (Polyoxymethylene): 100% chemical corrosion-resistant.
  - ◇ Large writing surfaces: On both sides and a front 45° writing surface.
  - ◇ Compatibility: Suitable for manual labeling and embedding cassette printers supporting lid-attached printing.

| REF     |                                                         |                                 | Original REF. |
|---------|---------------------------------------------------------|---------------------------------|---------------|
| KJ802-8 |                                                         |                                 |               |
|         | 40 pieces/stack<br>200 pieces/box<br>2400 pieces/carton | Break-away lids<br>Tape-stacked | 181-0206      |



Designed for histological specimens with 5×1mm rectangle pores to enhance fluid exchange efficiency during tissue processing. Equipped with break-away integrated lids.

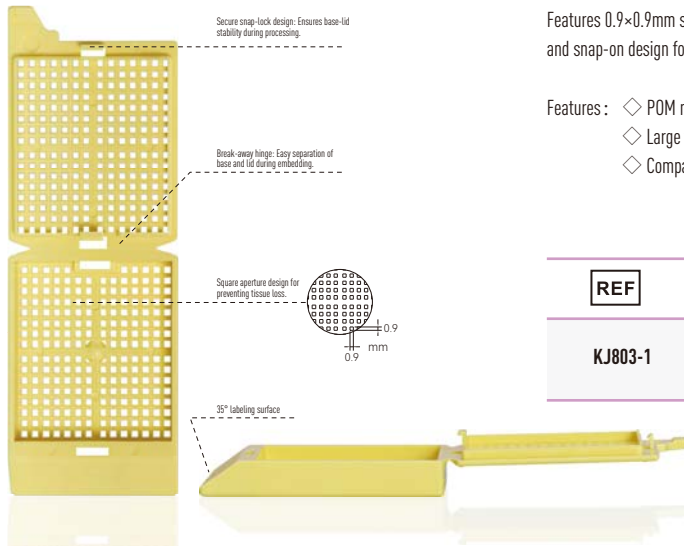
- Features :
- ◇ POM material (Polyoxymethylene): 100% chemical corrosion-resistant.
  - ◇ Large writing surfaces: On both sides and a front 35° writing surface.
  - ◇ Compatibility: Suitable for manual labeling and embedding cassette printers supporting lid-attached printing.

| REF   |                                                         |                                 | Original REF. |
|-------|---------------------------------------------------------|---------------------------------|---------------|
| KJ802 |                                                         |                                 |               |
|       | 40 pieces/stack<br>200 pieces/box<br>2400 pieces/carton | Break-away lids<br>Tape-stacked | 181-0201      |





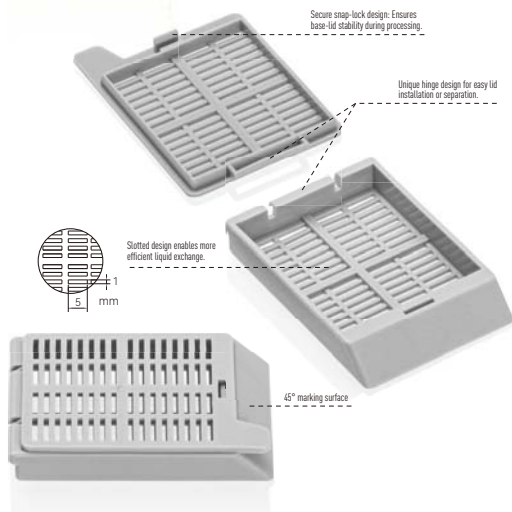
## Tissue Cassettes



Features 0.9×0.9mm square pores optimized for biopsy specimens, minimizing tissue loss risk. Equipped with a removable break-away lid and snap-on design for secure closure during processing.

- Features :
- ◇ POM material (Polyoxymethylene): 100% chemical corrosion-resistant.
  - ◇ Large writing surfaces: Dual side areas and a front 35° labeling platform.
  - ◇ Compatibility: Supports manual labeling and embedding cassette printers with lid-attached printing.

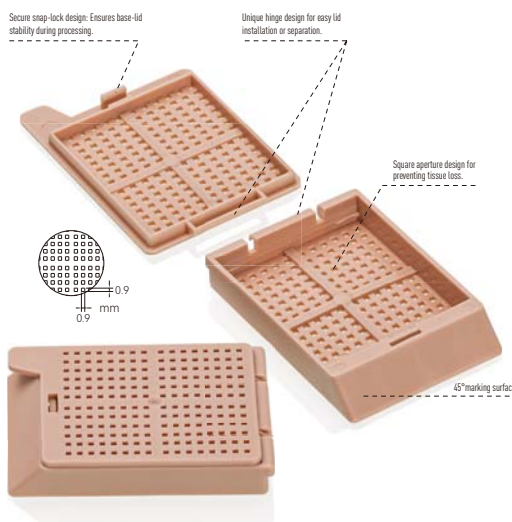
| REF     |                                                |                                 | Original REF. |
|---------|------------------------------------------------|---------------------------------|---------------|
| KJ803-1 | 40 pcs/stack<br>200 pcs/box<br>2400 pcs/carton | Break-away lids<br>Tape-stacked | 181-0102      |



Designed for histological specimens with 5×1mm rectangle pores to optimize fluid exchange efficiency during tissue processing. Features a snap-lock detachable lid that ensures secure closure while enabling easy installation and removal.

- Features :
- ◇ POM material (Polyoxymethylene): 100% chemical corrosion-resistant.
  - ◇ Large writing surfaces: On both sides and a front 45° writing surface.
  - ◇ Compatibility: Suitable for manual labeling and compatible with most embedding cassette printers.

| REF     |                                                                           |                                                                      | Original REF. |
|---------|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| KJ802-3 | 75 pcs/sleeve 3000 pcs/carton<br>40 pcs/stack 200 pcs/box 2400 pcs/carton | Snap-lock detachable lids<br>tape-stacked or PVC<br>sleeve dispenser | 181-0204      |



Featuring 0.9×0.9mm square pores optimized for biopsy specimens, minimizing tissue loss risk and enhancing fluid exchange efficiency during processing. Equipped with a snap-lock detachable lid that ensures secure closure while enabling easy installation and removal.

- Features :
- ◇ POM material (Polyoxymethylene): 100% chemical corrosion-resistant.
  - ◇ Large writing surfaces: Dual side areas and a front 45° labeling platform.
  - ◇ Compatibility: Suitable for manual labeling and compatible with most embedding cassette printers.

| REF     |                                                                           |                                                                      | Original REF. |
|---------|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| KJ803-3 | 75 pcs/sleeve 3000 pcs/carton<br>40 pcs/stack 200 pcs/box 2400 pcs/carton | Snap-lock detachable lids<br>tape-stacked or PVC<br>sleeve dispenser | 181-0103      |

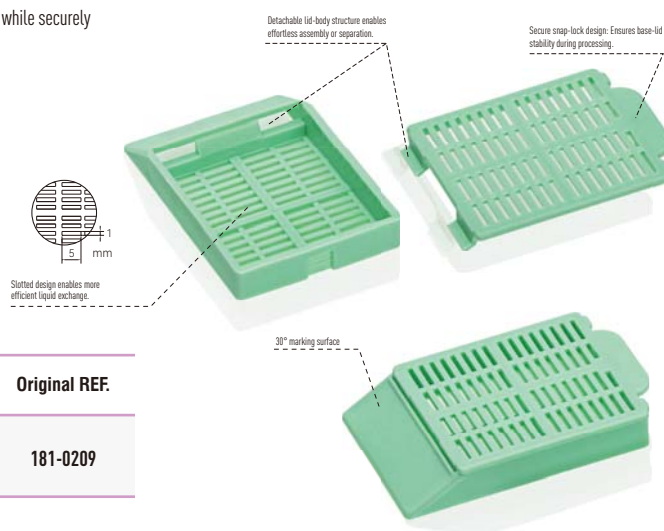




## Tissue Cassettes

Designed for histological specimens, featuring 5×1mm rectangle pores. The removable lid allows easy detachment while securely snapping onto the cassette.

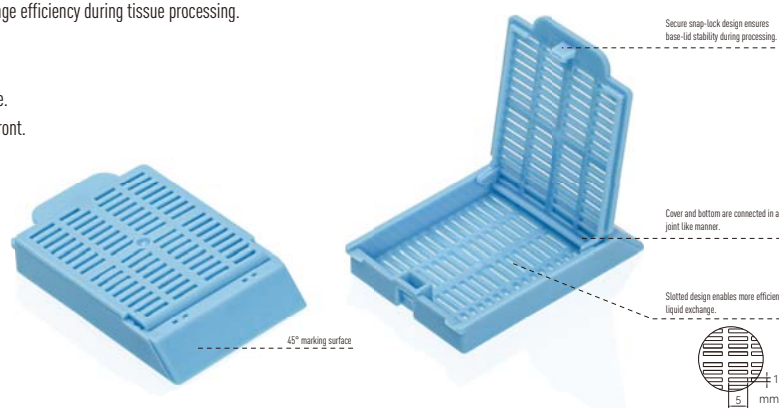
- Features:
- ◇ POM material, 100% chemical corrosion-resistant.
  - ◇ Large writing areas on both sides, with a 30° angled writing surface at the front.
  - ◇ Compatible with manual labeling and cassette printers supporting 30° angled printing.



| REF     |                                                                           |                                                                      | Original REF. |
|---------|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| KJ802-1 | 75 pcs/sleeve 3000 pcs/carton<br>40 pcs/stack 200 pcs/box 2400 pcs/carton | Snap-lock detachable lids<br>tape-stacked or PVC<br>sleeve dispenser | 181-0209      |

Designed for histological specimens, featuring 5×1mm rectangle pores to enhance fluid exchange efficiency during tissue processing. The separate hinged detachable lid optimizes space utilization.

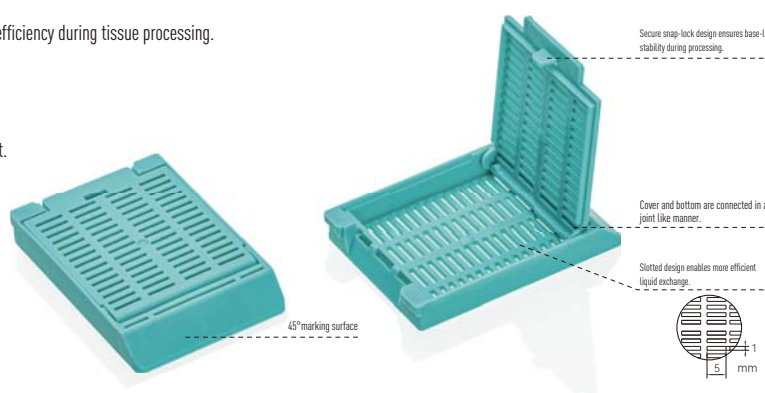
- Features:
- ◇ POM material (Polyoxymethylene), offering 100% chemical corrosion resistance.
  - ◇ Large writing surfaces on both sides, with a 45° angled writing surface at the front.
  - ◇ Compatible with manual labeling and most embedding cassette label printers.



| REF     |                                                                           |                                                                      | Original REF. |
|---------|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| KJ802-2 | 75 pcs/sleeve 3000 pcs/carton<br>40 pcs/stack 200 pcs/box 2400 pcs/carton | Snap-lock detachable lids<br>tape-stacked or PVC<br>sleeve dispenser | 181-0203      |

Designed for histological specimens, featuring 5×1mm rectangle pores to enhance fluid exchange efficiency during tissue processing. The separate hinged detachable lid optimizes space utilization.

- Features:
- ◇ POM material with 100% chemical corrosion resistance.
  - ◇ Large labeling surfaces on both sides and a 45° angled labeling surface at the front.
  - ◇ Compatible with manual labeling and most embedding cassette label printers.



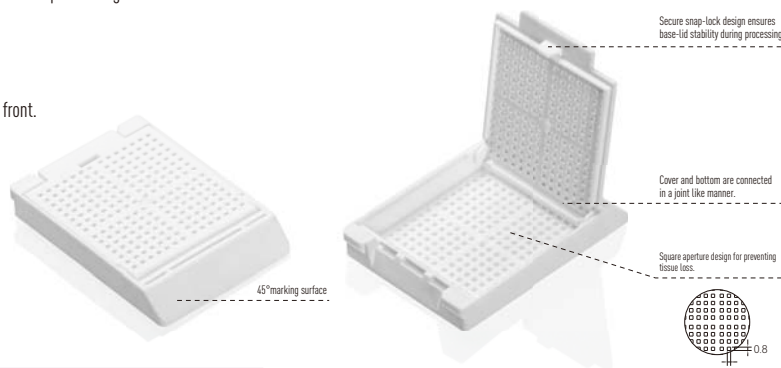
| REF     |                                                                           |                                                                      | Original REF. |
|---------|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| KJ802-7 | 75 pcs/sleeve 3000 pcs/carton<br>40 pcs/stack 200 pcs/box 2400 pcs/carton | Snap-lock detachable lids<br>tape-stacked or PVC<br>sleeve dispenser | 181-0207      |



## Tissue Cassettes

Featuring 0.8×0.8mm square pores optimized for biopsy specimens, minimizing tissue loss risk. The separate hinged detachable lid optimizes space utilization.

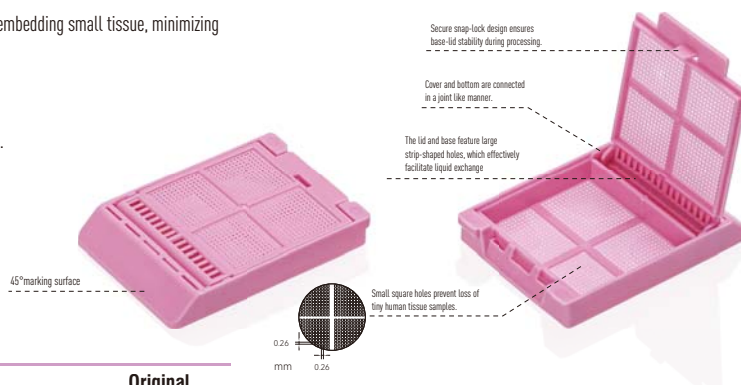
- Features:
- ◇ POM material with 100% chemical corrosion resistance.
  - ◇ Large labeling surfaces on both sides and a 45° angled labeling surface at the front.
  - ◇ Compatible with manual labeling and most embedding cassette printers.



| REF     |                                                                           |                                                                      | Original REF. |
|---------|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| KJ803-2 | 75 pcs/sleeve 3000 pcs/carton<br>40 pcs/stack 200 pcs/box 2400 pcs/carton | Snap-lock detachable lids<br>tape-stacked or PVC<br>sleeve dispenser | 181-0104      |

Featuring 0.26×0.26mm square pores optimized for biopsy specimens, specially for processing and embedding small tissue, minimizing tissue loss risk. The separate hinged detachable lid optimizes space utilization.

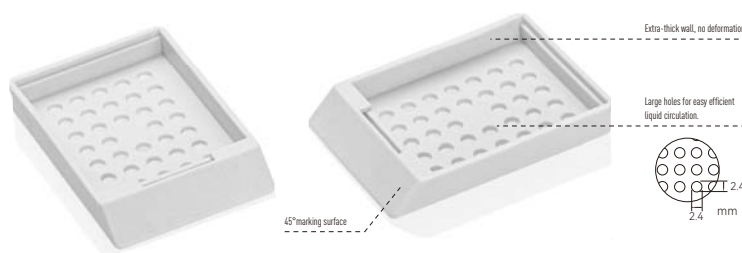
- Features:
- ◇ POM material with 100% chemical corrosion resistance.
  - ◇ Large labeling surfaces on both sides and a 45° angled labeling surface at the front.
  - ◇ Compatible with manual labeling and most embedding cassette printers.



| REF   |                                                                           |                                                                      | Original REF. |
|-------|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|
| KJ805 | 75 pcs/sleeve 3000 pcs/carton<br>40 pcs/stack 200 pcs/box 2400 pcs/carton | Snap-lock detachable lids<br>tape-stacked or PVC<br>sleeve dispenser | 181-0302      |

Round holes (diameter 2.4mm), lidless design, standard type. Ultra-thick wall construction prevents deformation during sectioning and ensures a secure grip on microtome clamps. Compatible with reusable polished stainless steel covers.

- Features:
- ◇ POM material with 100% chemical corrosion resistance.
  - ◇ Large labeling surfaces on both sides and a 45° angled labeling surface at the front.
  - ◇ Compatible with manual labeling and most embedding cassette printers.



| REF   |                                                                                                                     |                                                                                | Original REF. |
|-------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------|
| KJ801 | 75 pcs/sleeve, 3000pcs/carton<br>40pcs/stack, 200pcs/box, 2400pcs/carton<br>500pcs/drawer-style box, 4000pcs/carton | Tape-stacked or<br>PVC sleeve dispenser<br>(used with stainless steel covers). | 181-0401      |



## Tissue Cassettes

Round holes (diameter 2.4mm), lidless design, standard type. Ultra-thick wall construction prevents deformation during sectioning and ensures a secure grip on microtome clamps. Compatible with reusable polished stainless steel covers.

- Features:
- ◇ POM material with chemical corrosion resistance.
  - ◇ Large labeling surfaces on both sides and a 45° angled labeling surface at the front.
  - ◇ Compatible with manual labeling and most embedding cassette printers.



| REF     |                                         |                                      | Original REF. |
|---------|-----------------------------------------|--------------------------------------|---------------|
|         |                                         |                                      |               |
|         | 75 pcs/sleeve, 3000pcs/carton           |                                      |               |
| KJ801-1 | 40pcs/stack, 200pcs/box, 2400pcs/carton | Tape-stacked or PVC sleeve dispenser | 181-0402      |
|         | 500pcs/drawer-style box, 4000pcs/carton |                                      |               |

With 2.4mm diameter round pores, crafted from mirror-polished stainless steel. Compatible with the lidless KJ801 embedding cassette.

This product is not disposable and can be reused after processing.

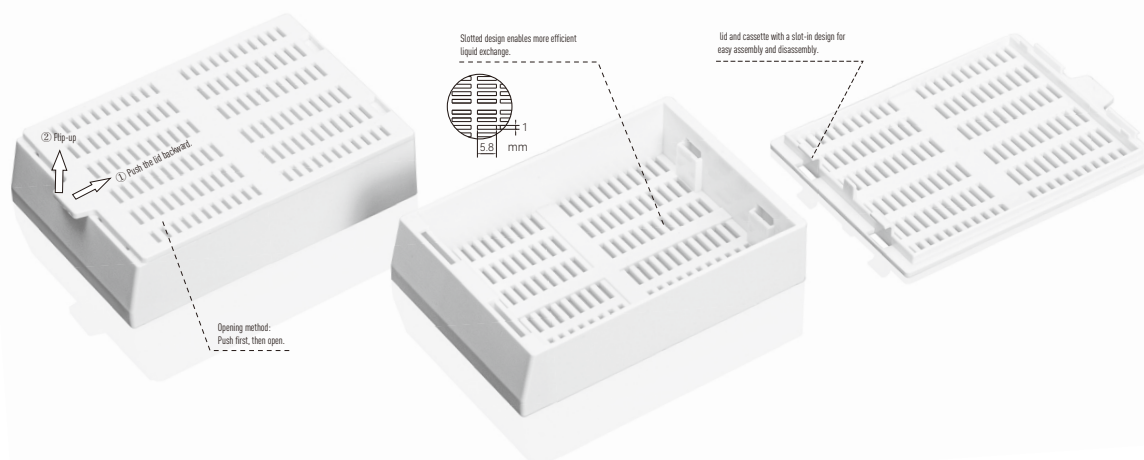


| REF     |           |          |
|---------|-----------|----------|
|         |           |          |
| KJ801-2 | 50pcs/bag | Reusable |

The macro tissue embedding cassettes produced by Kangjian Medical are suitable for processing large tissues, such as bone, intestine, brain, breast, kidney, liver, lung, pancreas, prostate, skin, thyroid, etc., and are most commonly used for prostate, intestinal and breast tissues.

- Features:
- ◇ POM material with high chemical resistance.
  - ◇ Product dimensions: 75×52×18 mm, split-type cassette and lid.
  - ◇ Size of slotted holes: 5.8×1 mm.
  - ◇ For manual handwriting only.

| REF   |                           |                           | Original REF. |
|-------|---------------------------|---------------------------|---------------|
|       |                           |                           |               |
| KJ818 | 100pcs/box, 400pcs/carton | Separate cassette and lid | 181-0701      |

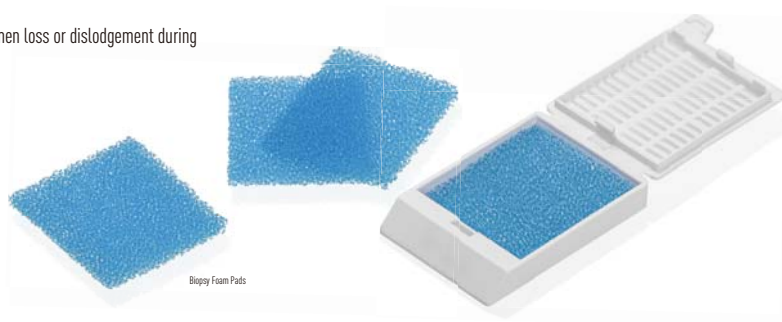




## Tissue Cassettes

Single-Use Embedding Cassette pad, compatible with embedding cassettes to prevent specimen loss or dislodgement during procedures. Suitable for all Kangjian embedding cassettes. Dimensions: 30×25×2mm.

| REF   |            |                 |
|-------|------------|-----------------|
| KJ836 | 500pcs/bag | Blue sponge pad |



Stainless Steel Embedding Cassette Base Mold, For tissue embedding with same-model cassettes and O-rings. Universally compatible with most standard embedding instruments. Reusable base molds are manufactured from high-quality #304 stainless steel with finely polished surfaces and smooth-rounded edges (user-safe).

A-Series:  
(7mm well depth)



B-Series:  
(9mm well depth)



| REF       | Well Depth * | Well Base Dimensions * | Overall Dimensions * |            |
|-----------|--------------|------------------------|----------------------|------------|
| KJ813-A01 | 7mm          | 7×7mm                  | 58×38×11mm           | 100pcs/bag |
| KJ813-A02 |              | 15×15mm                |                      |            |
| KJ813-A03 |              | 21×21mm                |                      |            |
| KJ813-A04 |              | 21×26mm                |                      |            |
| KJ813-A05 |              | 21×32mm                |                      |            |

\*Typical dimensions for reference only. Actual product may vary.

| REF       | Well Depth * | Well Base Dimensions * | Overall Dimensions * |            |
|-----------|--------------|------------------------|----------------------|------------|
| KJ813-B01 | 9mm          | 7×7mm                  | 60×39×13mm           | 100pcs/bag |
| KJ813-B02 |              | 13×13mm                |                      |            |
| KJ813-B03 |              | 20×20mm                |                      |            |
| KJ813-B04 |              | 20×25mm                |                      |            |
| KJ813-B05 |              | 20×32mm                |                      |            |

\*Typical dimensions for reference only. Actual product may vary.

PVC Embedding Cassette Base Mold, For tissue embedding with same-model cassettes and O-rings. Universally compatible with most standard embedding instruments. Single-use base molds are injection-molded from PVC plastic with smooth-planar surfaces and burr-free edges, offering sufficient structural integrity for limited reuse.

C-Series:  
(5mm well depth)



| REF       | Well Depth * | Well Base Dimensions * | Overall Dimensions * |                             |
|-----------|--------------|------------------------|----------------------|-----------------------------|
| KJ813-C01 | 5mm          | 9×9mm                  | 50×37×12mm           | 100pcs/bag<br>10bags/carton |
| KJ813-C02 |              | 17×17mm                |                      |                             |
| KJ813-C03 |              | 23×23mm                |                      |                             |
| KJ813-C04 |              | 23×30mm                |                      |                             |
| KJ813-C05 |              | 23×36mm                |                      |                             |

\*Typical dimensions for reference only. Actual product may vary.

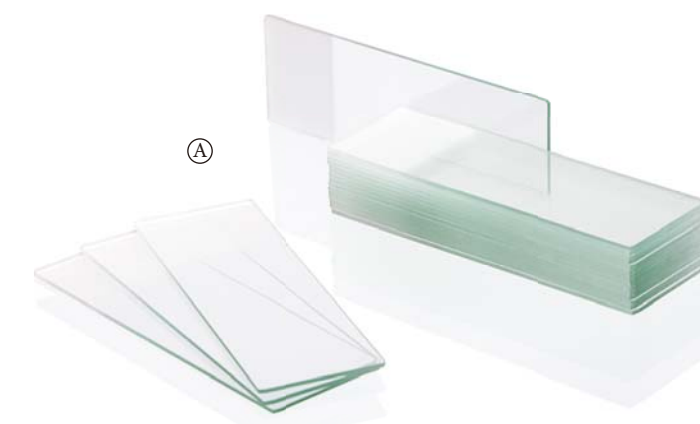


## Pathology Microscope Slides

### Frosted Microscope Slides

- ◇ Float glass material with frosted writing surface, High cleanliness, ready-to-use. Thickness: 1.0-1.2mm, Dimensions: 25×75mm.
- ◇ Manufactured from float plate glass with dense structure, high transparency, and exceptional durability, meeting stringent experimental requirements in histopathology, cytology, and hematology.
- ◇ Superior surface flatness eliminates water wave artifacts; ultra-high planarity ensures even specimen spreading, significantly reducing tissue folds and cell overlapping for improved slide preparation quality.
- ◇ Excellent thickness uniformity across all areas minimizes focal adjustments during microscopy, reducing operator eye strain and facilitating smoother slide evaluation.

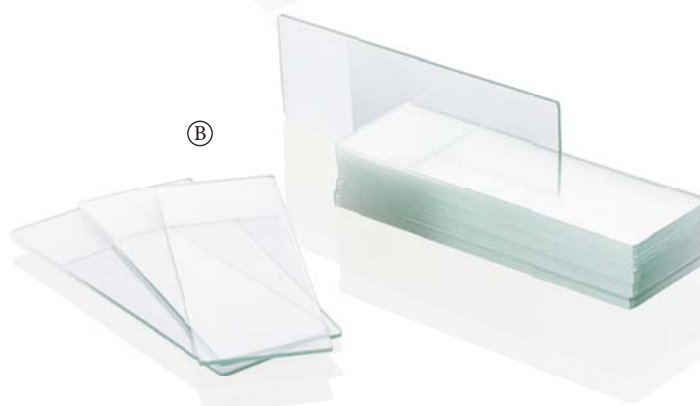
| REF      | Edge Treatment              | Writing surface                |           |
|----------|-----------------------------|--------------------------------|-----------|
| ① KJ7105 | Ground edges with 45° bevel | Single-end/single-side frosted | 50pcs/box |
| ② KJ7107 | Ground edges with 45° bevel | Single-end/double-side frosted | 50pcs/box |



### Color-Coated Microscope Slides

- ◇ Colored writing surface, compatible with all pathological printing systems and digital information platforms.
- ◇ High cleanliness, ready-to-use. Thickness: 1.0-1.2mm | Dimensions: 25×75mm.
- ◇ Scientific ink formulation and screen-printing technology ensure not only clear, legible printing compatible with most slide printers, but also resistance to corrosion from common pathological chemicals without fading or peeling.
- ◇ Optimized for smooth automated writing instrument performance; precision-cut for seamless integration with robotic stainers.
- ◇ Comprehensive variants: Ultra-clear & float glass substrates. 90° edges / 45° beveled edges / octagonal edges.
- ◇ Color options: Blue, Light Blue, Green, Light Green, Purple, Orange, Pink, White, Yellow.

| REF      | Edge Treatment              | Writing surface                |           |
|----------|-----------------------------|--------------------------------|-----------|
| ③ KJ7109 | Ground edges with 45° bevel | Single-end/single-side coating | 50pcs/box |



### Adhesive Microscope Slides

- ◇ During histochemical staining procedures, continuous water bath treatments in staining solutions and chemical reagents, as well as frequent washing steps — particularly immediate washing after antigen retrieval — may indeed increase the risk of tissue section or cell loss. KANGJIAN Adhesive Microscope Slides are treated with special reagents and processes to provide persistent positive charge and adhesion, firmly binding tissue sections to the slide and significantly reducing the possibility of tissue or cell loss.
- ◇ Advanced laser-cutting technology ensures precise slide dimensions, meeting the requirements of various automated instruments in pathology departments.
- ◇ Made from ultra-clear float glass, which offers superior light transmission, improved hydrolytic resistance, higher physical strength, and absence of autofluorescence compared to conventional glass. It is recognized as one of the most ideal raw materials for microscope slide production.
- ◇ Scientific ink formulation and screen-printing technology ensure clear, legible printing compatible with most slide printers, while also providing resistance to corrosion from common pathological chemicals without fading or peeling.
- ◇ Available colors: Blue, Light Blue, Green, Light Green, Purple, Orange, Pink, White, Yellow.
- ◇ Adhesive microscope slides are also recommended for routine H&E staining and are particularly suitable for preparing sections of hard-to-adhere tissues such as brain and spinal cord.

| REF      | Edge Treatment              | Writing surface                |           |
|----------|-----------------------------|--------------------------------|-----------|
| ④ KJ004S | Ground edges with 45° bevel | Single-end/single-side coating | 50pcs/box |







## Tissue Fixation

### Tissue Fixatives (Leak-proof container)

Tissue fixative is used for preservation, fixation and antiseptics of human and animal tissues. It prevents bacterial degradation and tissue autolysis. Suitable for sample fixation or preservation in departments including surgery, biopsy, histopathology and gastroenteroscopy. It features excellent tissue penetration with minimal tissue shrinkage, maintaining tissues and cells in their near-native state, and delivers good preservation performance for most antigens.

◇ 4% Neutral Buffered Formaldehyde Fixative, The most commonly-used fixative. Formulated with pH7.2-7.4 phosphate buffer solution. It offers strong penetration and uniform tissue fixation with low cellular damage, while maintaining stable pH value. The neutral pH inhibits formaldehyde polymer formation and helps preserve the vast majority of antigens. It outperforms ordinary 4% formaldehyde fixatives in fixation quality and antigen preservation. Compatible with routine HE staining, immunohistochemistry, PCR and other applications.

Suitable for general pathological specimens without special requirements.

◇ Ready-to-use to avoid contamination; transparent cup body for easy visual check of specimen fixation status.

◇ Leak-proof design ensures safe handling and transportation; pre-applied labels for convenient sample information recording.

◇ Multiple sizes to meet various post-ex vivo specimen preparation requirements; multiple packaging options available for diverse application scenarios.

◇ Customizable formulations: 4% Paraformaldehyde Fixative or 10% Neutral-Buffered Formalin (NBF), upon request.



Box rack



3mL, 64 pcs/box rack



10mL, 25 pcs/box rack



20mL, 16 pcs/box rack



30mL, 16 pcs/box rack



50mL, 9 pcs/box rack



60mL, 9 pcs/box rack



175mL, 4 pcs/box rack



250mL, 4 pcs/box rack

| REF     | Fixative Type                             | Fixative Volume | Container Volume |                                 |                                                                                                                                                                                                                    | Original REF. |
|---------|-------------------------------------------|-----------------|------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| KJ829-1 | 4% Neutral Formaldehyde Fixative Solution | 3mL             | 5mL              | 64 pcs/box rack × 10 racks/case | <p>Kind attentions:<br/>Formaldehyde is irritant to eye and skin, and is considered toxic when ingested and inhaled. Should work in well ventilated area, wear lab coat, gloves and other protective articles.</p> | 187-0301      |
| KJ829-2 |                                           | 10mL            | 20mL             | 25 pcs/box rack × 10 racks/case |                                                                                                                                                                                                                    | 187-1001      |
| KJ829-3 |                                           | 20mL            | 40mL             | 16 pcs/box rack × 10 racks/case |                                                                                                                                                                                                                    | 187-2001      |
| KJ829-4 |                                           | 30mL            | 60mL             | 16 pcs/box rack × 10 racks/case |                                                                                                                                                                                                                    | 187-3001      |
| KJ829-5 |                                           | 50mL            | 80mL             | 9 pcs/box rack × 8 racks/case   |                                                                                                                                                                                                                    | 187-5001      |
| KJ829-6 |                                           | 60mL            | 120mL            | 9 pcs/box rack × 8 racks/case   |                                                                                                                                                                                                                    | 187-6001      |
| KJ829-7 |                                           | 175mL           | 250mL            | 4 pcs/box rack × 8 racks/case   |                                                                                                                                                                                                                    | 187-1501      |
| KJ829-8 |                                           | 250mL           | 500mL            | 4 pcs/box rack × 8 racks/case   |                                                                                                                                                                                                                    | 187-2501      |





## Tissue Fixation

### Biopsy Tissue Specimen Cup

The lid of the biopsy tissue specimen cup is pre-filled with approximately 10 mL of tissue fixative (sealed with aluminum foil). Pressing the curved protrusion on top of the lid ruptures the sealing foil, allowing the fixative to be rapidly released into the cup. Designed with user safety as a priority, this product minimizes exposure to harmful aerosols and completely prevents direct contact with the fixative. Thanks to its safety and convenience, it is increasingly adopted by laboratories and medical institutions for the fixation of biopsy tissues.

- ◇ The specimen cup is made of medical-grade polypropylene (PP) and manufactured in a cleanroom. It is non-cytotoxic and pyrogen-free.
- ◇ Leak-proof design ensures safe and secure use and transportation without leakage.
- ◇ Customization is available for either 4% paraformaldehyde fixative or 10% neutral buffered formalin fixative according to requirements.



| REF      | Fixative Type                             | Fixative Volume | Container Volume |                                 |                                                   | Original REF. |
|----------|-------------------------------------------|-----------------|------------------|---------------------------------|---------------------------------------------------|---------------|
| KJ829-14 | 4% Neutral Formaldehyde Fixative Solution | 10mL            | 20mL             | 25 pcs/box rack × 10 racks/case | Other types of tissue fixatives can be customized | 187-1002      |

### 10% Neutral Buffered Formalin in Cubitainer

The 10% formalin solution is prepared by mixing formaldehyde with water at a 1:9 ratio. This aqueous formaldehyde solution exhibits strong permeability, uniform fixation, minimal tissue shrinkage, and effectively preserves lipids and lipoids, making it ideal for fixing fats, nerves, and myelin sheaths. The product contains a 0.02mol phosphate buffer, which enhances fixation performance—particularly for immunohistochemistry (IHC), in situ hybridization (ISH), FISH, mutation analysis, PCR, and next-generation sequencing (NGS)—while preventing formaldehyde pigment formation. Suitable for research laboratories, operating rooms, and pathology departments.

- ◇ High-polymer material: Resistant to weak acids, weak alkalis, and oils.
- ◇ Available in 5L and 10L specifications.



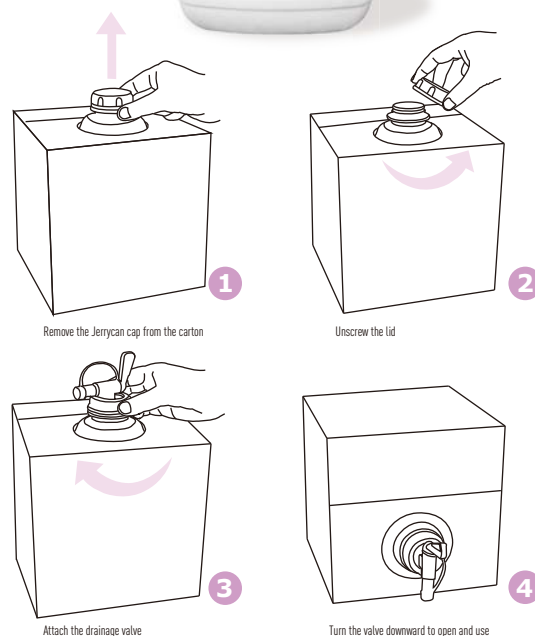
5L Cubitainer



5L Cubitainer



Usage Steps:



| REF      | Fixative Type                 | Fixative Volume |                                 |
|----------|-------------------------------|-----------------|---------------------------------|
| KJ829-9  | 10% Neutral Buffered Formalin | 5L              | 1 Cubitainer/box × 4 boxes/case |
| KJ829-10 | (with phosphate buffer)       | 10L             | 1 Cubitainer/box × 2 boxes/case |



## Tissue Staining

### Hematoxylin Staining Solution

M-Gill's Hematoxylin Staining Solution is a modified Gill's hematoxylin, ready-to-use upon opening. As a mainstream ready-to-use nuclear stain for pathology laboratories, it features excellent stability, low precipitation and compatibility with automation, serving as an optimized version of the Gill series.

◇ **Modified Gill Formula for Stable & Efficient Staining**

Delivers clear, sharp nuclear staining with bright, uniform blue coloration and high contrast, enabling more accurate pathological diagnosis.

◇ **Low Precipitation & Resistance to Oxidation for Stable Automated Use**

Compatible with fully automated staining lines, reducing needle clogging and maintenance, and ensuring hassle-free high-throughput operation.

◇ **Ready-to-Use & Easy Operation**

Requires no preparation, can be used directly after opening with simplified procedures, featuring minimal batch-to-batch variation and high result consistency.

| REF     |               |       |             |                     |
|---------|---------------|-------|-------------|---------------------|
| KJ837-1 | M-Gill's Type | 500mL | 1Bottle/Box | Customizable Volume |



### Eosin Staining Solution

Alcohol-Soluble Eosin Staining Solution is an acidic cytoplasmic staining reagent using ethanol as the solvent, mainly used for HE staining of pathological histology. This product features bright staining, clear delineation of eosinophilic structures, uniform and translucent red color, firm binding to tissues, no fading or leaching during dehydration, clean background and high contrast. It is suitable for manual staining and fully automatic pathological stainers, making it an ideal choice for routine pathological sections, teaching sections and high-quality diagnostic sections.

◇ **Alcohol-soluble formula:** Firm staining, bright and ruddy color, and high contrast.

◇ **Resistant to over-staining:** Clean background, no contamination or mottling, ensuring stable section quality.

◇ **Ready-to-use:** No preparation required, compatible with fully automatic stainers for high-throughput pathology laboratories.

| REF     |                      |       |             |                     |
|---------|----------------------|-------|-------------|---------------------|
| KJ837-2 | Alcohol-soluble Type | 500mL | 1Bottle/Box | Customizable Volume |



### Decalcifying Solution

EDTA Decalcifying Solution is a mild tissue decalcifying reagent with ethylenediaminetetraacetic acid (EDTA) as the main decalcifying component. It removes calcium salts from bone and calcified tissues through chelation without damaging tissue morphology or cellular structure.

◇ **Mild and uniform decalcification with minimal impact on tissue antigenicity, nucleic acids and staining results.** Tissues after decalcification yield intact sections with clear staining, making it suitable for processing bone tissues, calcified tissues, and samples with high requirements for subsequent pathological staining, immunohistochemistry and molecular pathology.

◇ **Free of strong acids and irritating odors, ensuring safe and eco-friendly operation.** Suitable for various pathological tissue processing and laboratory sample decalcification.

| REF     |               |       |             |                     |
|---------|---------------|-------|-------------|---------------------|
| KJ837-3 | EDTA-10% Type | 500mL | 1Bottle/Box | Customizable Volume |



### Differentiation Solution

Differentiation Solution is a special decolorizing and regulating reagent for HE staining in pathological histology, with dilute hydrochloric acid ethanol as its main component.

◇ **Used after hematoxylin staining to moderately remove excess dye from tissue sections, resulting in moderate nuclear staining intensity and clear contours.** It reduces background nonspecific staining, improves nucleocytoplasmic contrast, and ensures the diagnostic quality of pathological sections.

◇ **Featuring mild and controllable activity, this product is suitable for manual operation and fully automatic pathological stainers, with simple operation and stable results.**

| REF     |                             |       |             |                     |
|---------|-----------------------------|-------|-------------|---------------------|
| KJ837-5 | Dilute HCl-Ethanol Solution | 500mL | 1Bottle/Box | Customizable Volume |





## Tissue Staining

### Bluing Solution

- ◇ Type SA Bluing Solution is composed of sodium acetate and purified water. It is a special bluing reagent used in conjunction with histopathological staining, formulated with a mild buffer system for stable performance and uniform bluing.
- ◇ Used after hematoxylin staining and differentiation to quickly neutralize the acidic environment of sections, turning the nucleus from pale red to a clear, bright blue color with distinct nucleocytoplasmic contrast and consistent staining results.
- ◇ Featuring mild properties, easy operation and no irritating odor, this product is suitable for manual staining and various types of fully automatic pathological stainers.



| REF     |          |       |             |                     |
|---------|----------|-------|-------------|---------------------|
| KJ837-4 | SA- Type | 500mL | 1Bottle/Box | Customizable Volume |

### Microscope Slide Staining Jars

- ◇ Compatible with 25 standard slides (25×75mm). Both staining jars and matching racks are made of acid/alkali-resistant polypropylene. Available in White, Light Blue, and Gray.
- ◇ Non-disposable item, reusable after cleaning.

| REF     |                                 |                    |
|---------|---------------------------------|--------------------|
| KJ821-1 | 108×54×115mm<br>(Removable lid) | 1pc/bag×20pcs/case |
| KJ821-2 | 108×54×115mm<br>(Hinged Lid)    | 1pc/bag×20pcs/case |

\*Typical dimensions for reference only. Actual product may vary.



### Stainless Steel Slide Staining Racks

- ◇ Compatible with standard 25×75mm (1"×3") slides. Constructed of stainless steel.
- ◇ Non-disposable item, reusable after cleaning.

| REF     |          |                            |
|---------|----------|----------------------------|
| KJ821-3 | 20-Slots | 1 rack/box×50 boxes/carton |
| KJ821-4 | 30-Slots | 1 rack/box×40 boxes/carton |
| KJ821-5 | 60-Slots | 1 rack/box×20 boxes/carton |

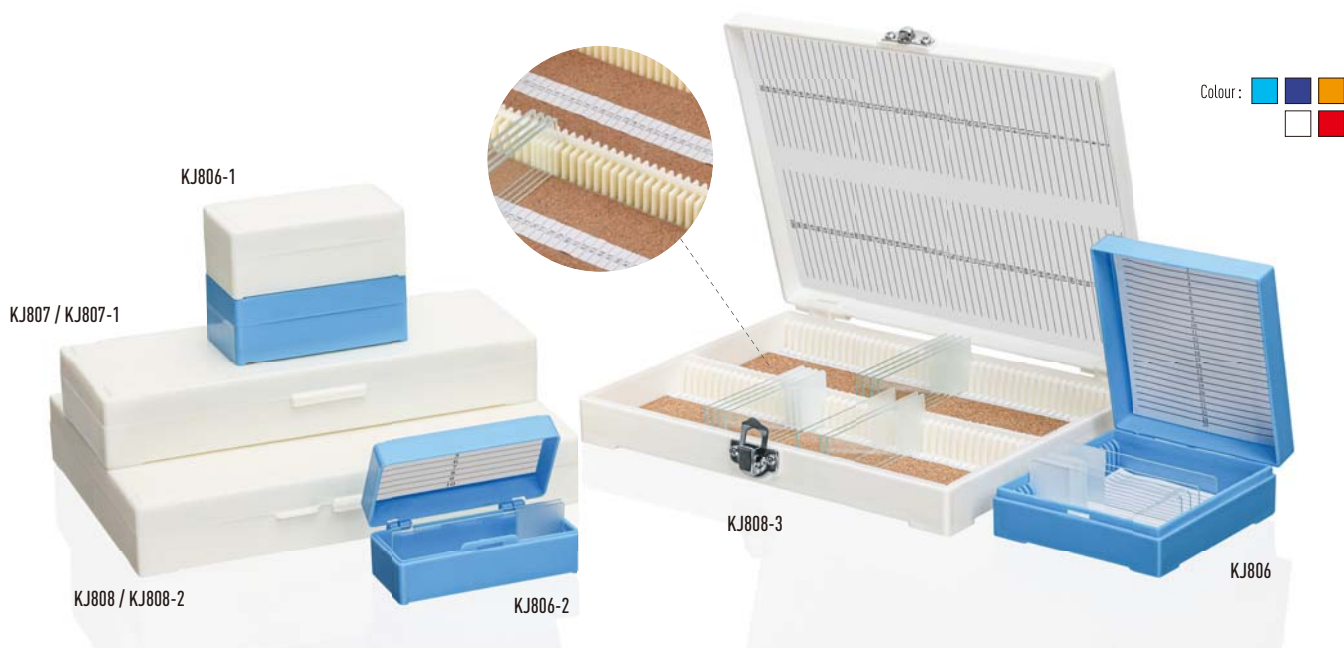
\*Specifications for reference only; please refer to the actual product.





## Slide Storage Box

- ◇ Suitable for standard size 25 x 75mm (1" x 3") slides, made of ABS material
- ◇ Soft cork liner at the bottom of the box effectively prevents damage to slides during transportation and storage. Index sheet at the top of the box for easy labeling and identification.
- ◇ To alleviate visual fatigue, products are available in various colors such as gray, blue, orange, white, and red for each specification.



| REF     | MAT | AB        | *            |     | i                       | Original REF. |
|---------|-----|-----------|--------------|-----|-------------------------|---------------|
| KJ808   | ABS | 100-Place | 210×160×30mm | 50  |                         | 182-1001      |
| KJ808-1 | ABS | 100-Place | 210×160×30mm | 50  | Metal clasp             | 182-1002      |
| KJ808-2 | ABS | 100-Place | 210×160×35mm | 50  | Cork liner              | 182-1003      |
| KJ808-3 | ABS | 100-Place | 210×160×35mm | 50  | Metal clasp, Cork liner | 182-1004      |
| KJ807   | ABS | 50-Place  | 210×80×30mm  | 100 |                         | 182-0501      |
| KJ807-1 | ABS | 50-Place  | 210×80×30mm  | 100 | Cork liner              | 182-0502      |
| KJ806   | ABS | 25-Place  | 82×95×32mm   | 200 |                         | 182-0251      |
| KJ806-1 | ABS | 12-Place  | 82×49×32mm   | 200 |                         | 182-0121      |
| KJ806-2 | ABS | 10-Place  | 82×41×32mm   | 200 |                         | 182-0101      |

\*Typical dimensions for reference only. Actual product may vary.



| REF     | MAT | AB        | *            |    | i                       | Original REF. |
|---------|-----|-----------|--------------|----|-------------------------|---------------|
| KJ808-4 | ABS | 100-Place | 210×180×35mm | 50 | Metal clasp, Cork liner | 182-1004      |

\*Typical dimensions for reference only. Actual product may vary.





## Slide Dispenser & Slide Tray

### Slide Dispenser

- ◇ Slides can be placed in batches into the slider box each time. To take a single slide, simply turn the slide dispensing knob.
- ◇ Suitable for standard-sized slides of 25×75mm (1"×3").
- ◇ Made of ABS material.



| REF   |               |    | Original REF. |
|-------|---------------|----|---------------|
| KJ821 | 100×100×200mm | 50 | 183-0001      |

\*Typical dimensions for reference only. Actual product may vary.

### 20-Place Slide Tray

20-Place slidetray, suitable for standard-sized slides. Ensures experimental samples remain neat and orderly before and after microscopic observation.

- ◇ Made of PC+ABS plastic, with impact resistance 3 to 5 times that of ordinary ABS.
- ◇ Stable structure, acid and alkali resistant, and reusable.
- ◇ Suitable for slides measuring 25×75mm (1"×3").
- ◇ Can be stacked layer upon layer, or mixed and stacked with 20-slot drying trays to save laboratory and storage space.

| REF   |          |              |    | Original REF. |
|-------|----------|--------------|----|---------------|
| KJ824 | 20-Place | 300×195×12mm | 50 | 183-0005      |

\*Typical dimensions for reference only. Actual product may vary.



### 10-Place Slide Tray

10-Place slidetray is used for drying and storing slides with larger tissue sections, ensuring experimental samples remain neat and orderly before and after microscopic observation.

- ◇ Made of PC+ABS plastic, with impact resistance 3 to 5 times that of ordinary ABS.
- ◇ Stable structure, acid and alkali resistant, reusable.
- ◇ Suitable for slides sized 79×54mm and below (customizable).
- ◇ Can be stacked in multiple layers or mixed with 20-slot drying trays to save laboratory and storage space.

| REF     |          |              |    | Original REF. |
|---------|----------|--------------|----|---------------|
| KJ824-1 | 10-Place | 300×195×12mm | 50 | 183-0007      |

\*Typical dimensions for reference only. Actual product may vary.





## Slide Mailer

The convenience to transfer and store samples in pathological work has great impact on smooth and efficient pathological work. We have always been focusing on providing you with reliable samples solution for samples storage and products delivering, such as plastic Tray, Mailer and wallets, as well as Slide Storage Box series for temporary holding and transferring slide; various of Storage Cabinets for storing and transferring specimen slides and Paraffin-embedded specimen. Our products designed with much elaboration will absolutely meet your demands for normal pathology practices.

### Plastic Mailer

- ◇ Designed as a convenient solution for temporary holding and transferring of microscope slides.
- ◇ Accommodate both the standard microscope slides in dimensions of 75.0mm×25.0mm×(0.8-1.2)mm and the microscope slides of 76.0mm×26.0mm×(0.8-1.2)mm in the market.
- ◇ Made of plastic material, reusable.

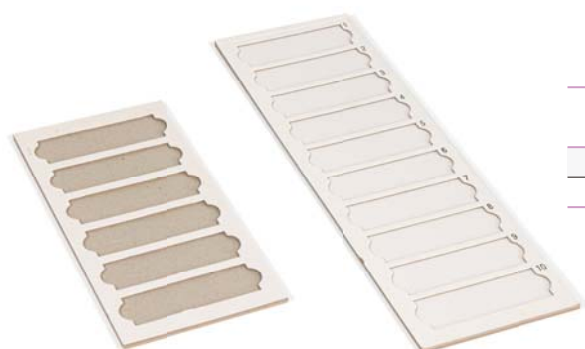
**KJ820-3****KJ820-4****KJ820-6**

| REF            | MAT | AB      | *          |     | Original REF.   |
|----------------|-----|---------|------------|-----|-----------------|
| <b>KJ820-3</b> | PP  | 2-Place | 90×70×6mm  | 800 | <b>183-0002</b> |
| <b>KJ820-4</b> | PP  | 5-Place | 30×18×82mm | 800 | <b>183-0003</b> |
| <b>KJ820-6</b> | PP  | 5-Place | Ø30×90mm   | 60  | <b>183-0006</b> |

\*Typical dimensions for reference only. Actual product may vary.

### Paperboard Tray, Mailer

- ◇ Designed as a convenient solution for temporary holding and transferring of microscope slides
- ◇ Accommodate both the standard microscope slides in dimensions of 75.0mm×25.0mm×(0.8-1.2mm) and the microscope slides of 76.0mm×26.0mm×(0.8-1.2)mm in the market.
- ◇ Made of high density, reusable.
- ◇ The lightweight and compact structure is ideal for mailing, transporting, or intra-laboratory handling, while the biodegradable paper-based material, compared to plastic alternatives, better aligns with eco-friendly laboratory requirements.

**KJ820-13****KJ820-14**

| REF             | MAT              | AB                    | *           |                        | Original REF.   |
|-----------------|------------------|-----------------------|-------------|------------------------|-----------------|
| <b>KJ820-13</b> | Thick paperboard | 6-Place, without lid  | 103×220×4mm | 50pcs/box, 200pcs/case | <b>183-2006</b> |
| <b>KJ820-14</b> | Thick paperboard | 10-Place, without lid | 103×304×4mm | 5pcs/box, 50pcs/case   | <b>183-2010</b> |

\*Typical dimensions for reference only. Actual product may vary.





## Slide Mailer



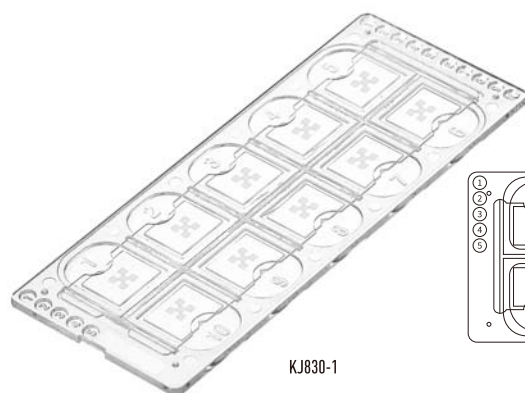
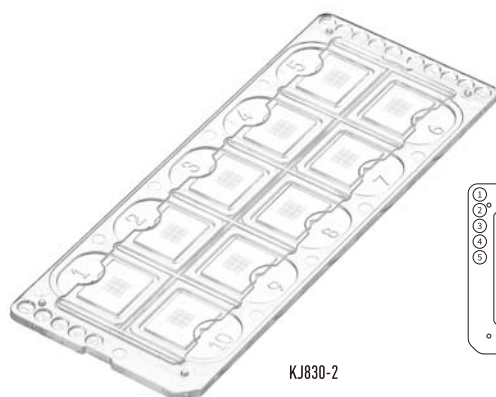
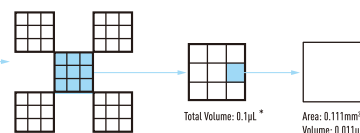
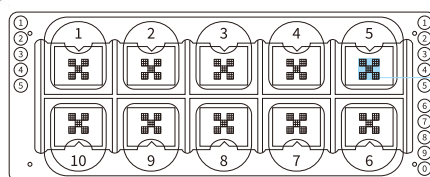
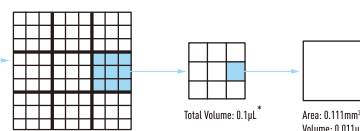
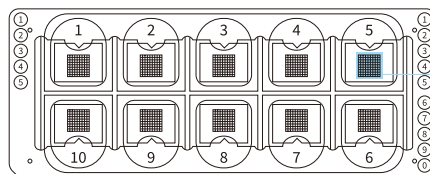
| REF      | MAT              | AB                 | Closed<br>Lid * |                        | Original REF. |
|----------|------------------|--------------------|-----------------|------------------------|---------------|
| KJ820-9  | Thick paperboard | 2-Place, with lid  | 75×95×6mm       | 50pcs/box, 500pcs/case | 183-2102      |
| KJ820-10 | Thick paperboard | 3-Place, with lid  | 110×118×6mm     | 50pcs/box, 500pcs/case | 183-2103      |
| KJ820-11 | Thick paperboard | 4-Place, with lid  | 110×148×6mm     | 50pcs/box, 200pcs/case | 183-2104      |
| KJ820-12 | Thick paperboard | 6-Place, with lid  | 110×214×6mm     | 50pcs/box, 200pcs/case | 183-2106      |
| KJ820-2  | Thick paperboard | 20-Place, with lid | 205×340×8.5mm   | 5pcs/box, 50pcs/case   | 183-2120      |
| KJ820-7  | Thick paperboard | 30-Place, with lid | 290×340×8.5mm   | 5pcs/box, 50pcs/case   | 183-2130      |
| KJ820-8  | Thick paperboard | 48-Place, with lid | 383×403×8.5mm   | 5pcs/box, 50pcs/case   | 183-2148      |

\*Typical dimensions for reference only. Actual product may vary.



## Urinalysis Microscope Slide

- ◇ KANGJIAN<sup>®</sup> Urinalysis microscope slide is produced using medical-grade PS material, designed for clinical examination of urine sediment microscopy, allowing for the extracorporeal counting and analysis of cellular elements in urine.
- ◇ The slide contains 10 counting chambers, enabling the examination of 10 urine specimens, with each counting chamber having a grid with 81 well defined, pre-measured squares
- ◇ The design of the Urinalysis microscope slide enhances the accuracy, consistency, and safety of urine sediment microscopic examinations. It simplifies the testing process, prevents sample contamination, and streamlines the counting of cellular elements in urine specimens.

**KJ830-1****KJ830-2**

| REF            | MAT | *<br>                                    |                                                             |     |      |                                            | Original REF.  |
|----------------|-----|------------------------------------------|-------------------------------------------------------------|-----|------|--------------------------------------------|----------------|
| <b>KJ830-1</b> | PS  | 83.3×32.4mm                              | 10 counting chambers,<br>5 middle squares, 45 small squares | 100 | 2000 | Custom sterilization<br>methods available. | <b>186-001</b> |
| <b>KJ830-2</b> | PS  | 83.3×32.4mm<br>(with positioning corner) | 10 counting chambers,<br>9 middle squares, 81 small squares | 100 | 2000 |                                            | <b>186-002</b> |

\*Typical dimensions for reference only. Actual product may vary.

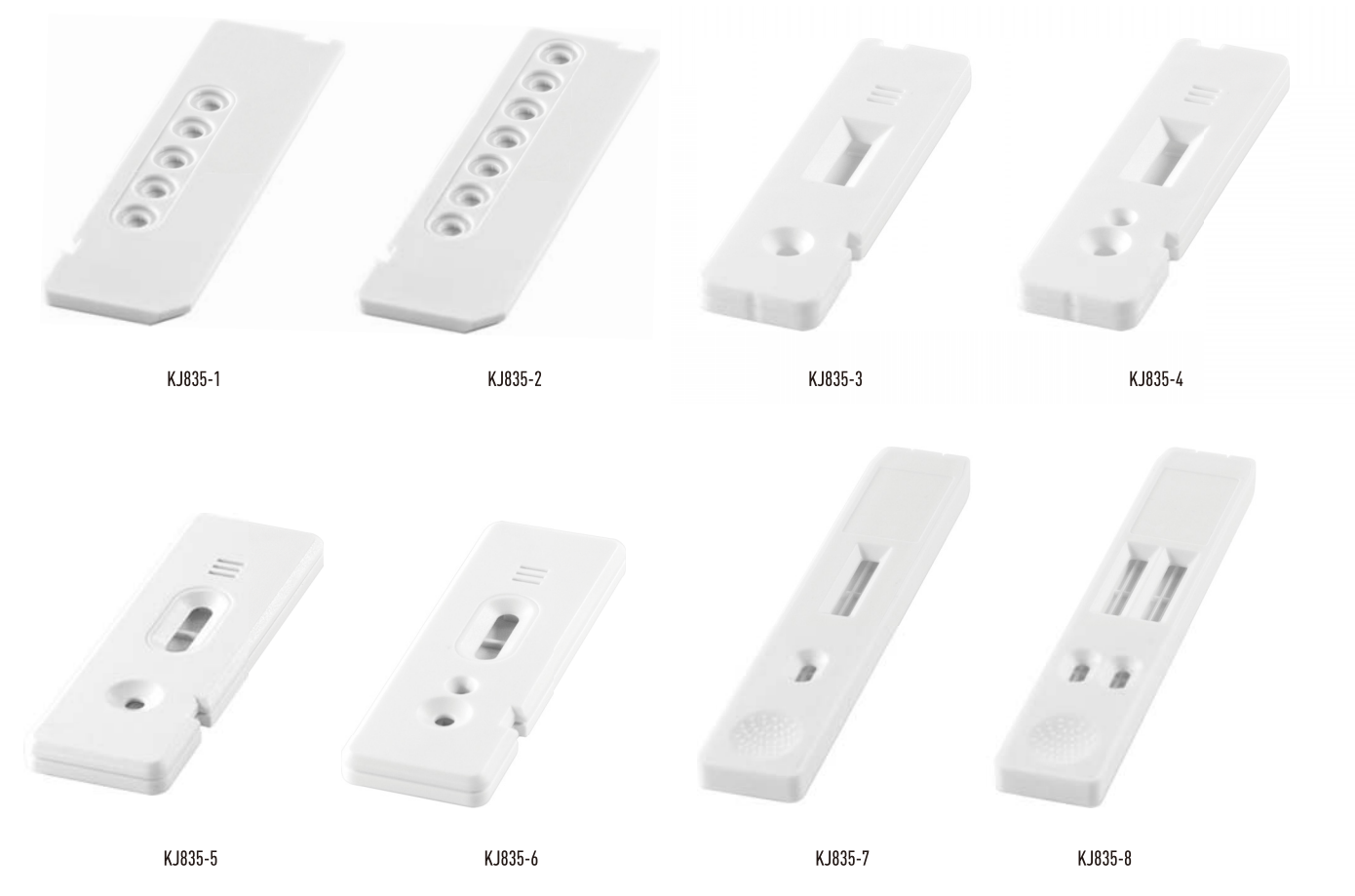
### How to use

- ◇ After thoroughly mixing the urine sample, transfer 10ml of urine into a urine sediment centrifuge tube.
- ◇ Centrifuge at a speed of 1000-1500 rpm for 5 minutes.
- ◇ After centrifugation, discard the supernatant, leaving behind 0.2ml of urine sediment.
- ◇ Shake the centrifuge tube to ensure the urine sediment is well mixed.
- ◇ Use a capillary to collect 15-20µl of urine sediment and inject into the counting chamber.
- ◇ Observe under a microscope at 400x magnification.
- ◇ Reporting format: Number of red blood cells, white blood cells, epithelial cells, and casts per µl.



Empty Rapid Test Cassette

KANGJIAN Medical provides or customizes colloidal gold test cards (empty cassettes) in various specifications. Made from medical-grade HIPS raw material, the products are free of biological toxicity, fluorescent agent contamination and heavy metal contamination. They feature stable chemical and physical properties, resistance to deformation at high and low temperatures, and excellent batch consistency.



| REF     | MAT  | *        |     |      |                     | Original REF. |
|---------|------|----------|-----|------|---------------------|---------------|
| KJ835-1 | HIPS | 88×25mm  | 360 | 1800 | Test Cassette Shell | 185-0001      |
| KJ835-2 | HIPS | 88×25mm  | 360 | 1800 |                     | 185-0002      |
| KJ835-3 | HIPS | 20×75mm  | 360 | 1800 |                     | 185-0003      |
| KJ835-4 | HIPS | 20×75mm  | 360 | 1800 |                     | 185-0004      |
| KJ835-5 | HIPS | 25×75mm  | 360 | 1800 |                     | 185-0005      |
| KJ835-6 | HIPS | 25×75mm  | 360 | 1800 |                     | 185-0006      |
| KJ835-7 | HIPS | 18×100mm | 300 | 1200 |                     | 185-0007      |
| KJ835-8 | HIPS | 18×100mm | 300 | 1200 |                     | 185-0008      |

\*Typical dimensions for reference only. Actual product may vary.



## Medical Care Consumables



| REF      | MAT |  * |  |  |  | Original REF. |
|----------|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| KJ517    | PVC | 40×30mm                                                                               | 500                                                                                 | 10000                                                                               | Medication cup                                                                        | 184-0001      |
| KJ517-4  | PVC | 35×35×30mm                                                                            | 500                                                                                 | 10000                                                                               | Medication cup                                                                        | 184-0002      |
| KJ819    | PP  | 30×30mm                                                                               | 20                                                                                  | 3000                                                                                | Pediatric Medication cup (with Spoon, EO Sterilized)                                  | 184-0003      |
| KJ820    | PP  | 125mm                                                                                 | -                                                                                   | 1200                                                                                | Tweezers                                                                              | 184-0007      |
| KJ820-1  | PP  | 150mm                                                                                 | 200                                                                                 | 2000                                                                                | Tongue depressor                                                                      | 184-0008      |
| KJ522    | PP  | 42×45mm                                                                               | 50                                                                                  | 700                                                                                 | Three-layer Multi-color Medicine Cup                                                  | 184-0004      |
| KJ522-1  | PP  | 42×55mm                                                                               | 50                                                                                  | 700                                                                                 | Three-layer Medicine Cup                                                              | 184-0005      |
| KJ820-5  | PVC | 110×110×45mm                                                                          | -                                                                                   | 1000                                                                                | Dressing Bowl                                                                         | 184-0006      |
| KJ820-18 | PET | 185×115×25mm                                                                          | -                                                                                   | 2000                                                                                | Dressing Bowl                                                                         | 184-0012      |
| KJ820-15 | PS  | 82.6×58.3×14mm                                                                        | 50                                                                                  | 4000                                                                                | Diamond-shaped anti-static weighing tray                                              | 184-0009      |
| KJ820-16 | PS  | 123.5×97×16.5mm                                                                       | 50                                                                                  | 2000                                                                                | Diamond-shaped anti-static weighing tray                                              | 184-0010      |
| KJ820-17 | PS  | 80×80×24mm                                                                            | 50                                                                                  | 2000                                                                                | Square Anti-static Weighing tray                                                      | 184-0011      |

\*Typical dimensions for reference only. Actual product may vary.

# Laboratory Auxiliary Instrument

# 13



|                              |         |
|------------------------------|---------|
| → Shaker                     | 152-157 |
| → Rocker                     | 158-161 |
| → Rotator                    | 162-163 |
| → Roller                     | 164     |
| → Vortex Mixer               | 165-166 |
| → Centrifuge                 | 167-168 |
| → Colony Counter             | 169     |
| → Timer & Hemocytometer      | 170     |
| → Capper and Decapper        | 171-174 |
| → Barcode Reader             | 175-176 |
| → Cell Thawing System        | 177     |
| → Blood Tube Sealing Machine | 178     |
| → Laser Marking Machine      | 179     |







## Shaker

### >>> DSR-10 Digital Shaking Rotator

#### Features:

- With multiple types of fixing clips, it can carry out the mixing and shaking for vessels of different shape and size.
- Two operation methods for choice: circling and reciprocating.
- Compact structure. With BLDCM (Brushless DC Motor), the equipment can run smoothly with little noise for long time.
- LCD with backlight can display the current speed, time and operation mode, convenient for reading and setting.
- Precise digital time and speed setting can easily carry out the continuous operation mode.
- Safe operating protection function adopted.
- Maximum load reaches 7.5KG.
- Wide voltage design avoids the impact of unstable voltage on the equipment.



DSR-10  
Flatbed platform (Type A)



DSR-10  
Four clamp platform (Type C)



DSR-10  
Securing bars platform (Type B)

#### Optional components:

|                                                                                                                  |                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                                                                                                                  |                                                                                                  |
| Flatbed platform, with silicon non-slip pad, adapted to softly mixing petri dish, culture flask, Test card, etc. | Securing bars platform, can clamp different kind of container by adjusting the position of bars. |
|                                                                                                                  |                                                                                                  |
| Plain spring platform, used together with spring clamp.                                                          | Spring clamp model:<br>25mL/50mL/100mL/200mL/500mL.                                              |

#### Technical Data:

#### DSR-10

|                                              |                         |
|----------------------------------------------|-------------------------|
| Operation method:                            | Circling, Reciprocating |
| Shaker diameter:                             | 10mm                    |
| Maximum loading weight (incl. Fixing clips): | 7.5kg                   |
| Equipment input power:                       | 40W                     |
| Motor output power:                          | 10W                     |
| Motor type:                                  | BLDC                    |
| Speed range:                                 | 100-500rpm / 40-350rpm  |
| Speed display:                               | LCD                     |
| Timer display:                               | LCD                     |
| Time setting range:                          | 0-99h59min              |
| Operation mode:                              | Timing/Continuous       |
| Shaking table lock:                          | Yes                     |
| Dimensions (W×H×D):                          | 420×360×100mm           |
| Weight:                                      | 13kg                    |
| Permissible ambient temperature:             | 5-50°C                  |
| Permissible relative moisture:               | 80%                     |
| Protection class according to DIN EN 60529:  | IP21                    |
| Analog output:                               | Yes                     |
| Voltage:                                     | AC 100-240V             |
| Frequency:                                   | 50/60Hz                 |





## Shaker

### >>> DSR-22 Digital Orbital Shaker

#### Features:

- DSR-22 is the upgraded version of the traditional orbital shaker, used for screening and testing of syphilis RPR, TRUST, VDRL, among other applications. It can be also widely used in mixing for various kinds of flat type labwares, such as: petri dish, culture plate, etc.
- Equipped with Brushless motor, it can run smoothly and quietly, thus guarantee a long service life.
- LCD with backlight can display the current speed, time and operation mode, convenient for reading and setting.
- Precise digital time and speed setting can easily carry out the continuous operation mode.
- Safe operation protection function adopted.
- Wide voltage design avoids the impact of unstable voltage on the equipment.



DSR-22 (No transparent cover)



DSR-22 (With transparent cover)

#### Technical Data:

#### DSR-22

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Operation method:                | Circling                                                |
| Circling diameter:               | 19mm / 22mm                                             |
| Max. Loading weight:             | 2kg                                                     |
| Speed range:                     | 40-350rpm                                               |
| Timing range:                    | 0-99h59min                                              |
| Running mode:                    | Timing / Continuous                                     |
| Input voltage(frequency):        | AC100-240V (50/60Hz)                                    |
| Input power:                     | 20W                                                     |
| Working plate size:              | Common type: 315×315mm<br>With cover: 255×255mm         |
| Protective class:                | IP21                                                    |
| Permissible ambient temperature: | 5-50°C                                                  |
| Permissible relative moisture:   | 80%                                                     |
| Dimensions:                      | Common type: 420×360×125mm<br>With cover: 420×360×145mm |
| Net. Weight:                     | Common type: 7.0kg<br>With cover: 7.8kg                 |

### >>> KJ-201BD / KJ-201BS Orbital Shaker

#### Features:

- Designed for screening and testing of syphilis RPR, TRUST, VDRL.
- High quality DC motor, actual life > 1000h.
- Tight and reasonable structure makes it run stably, Suitable for various applications.
- Adjustable Analog dial design, easy to make it stepless speed adjustment and running at any time within 15min/60min.

#### Technical Data:

#### KJ-201BD

#### KJ-201BS

|                                  |                       |                       |
|----------------------------------|-----------------------|-----------------------|
| Operation method:                | Circling              | Circling              |
| Circling diameter:               | 19mm / 22mm           | 19mm / 22mm           |
| Max. Loading weight:             | 1kg                   | 1kg                   |
| Speed range:                     | 0-210rpm              | 0-230rpm              |
| Timing range:                    | 0-15min / 0-60min     | 0-15min / 0-60min     |
| Running mode:                    | Timing / Continuous   | Timing / Continuous   |
| Working plate size:              | 315×218mm             | 224×152mm             |
| Input voltage(frequency):        | AC 100-240V (50/60Hz) | AC 100-240V (50/60Hz) |
| Input power:                     | 10W                   | 10W                   |
| Protective class:                | IP21                  | IP21                  |
| Permissible ambient temperature: | 5-50 °C               | 5-50 °C               |
| Permissible relative moisture:   | 80%                   | 80%                   |
| Dimensions:                      | 320×320×130mm         | 240×165×120mm         |
| Net. Weight:                     | 3.2Kg                 | 2.5Kg                 |



KJ-201BD



KJ-201BS



## Shaker

### >>> KJ-201BE / KJ-201BX / KJ-201BH Orbital Shaker

#### Features:

- Designed for screening and testing of syphilis RPR, TRUST, VDRL, also can be used for mixing of various kinds of petri dish, elisa plates etc.
- High performance DC motor, Quiet, Stable and long lifetime.
- Digital time and speed set makes the control more accurate, except KJ-201BH.
- KJ-201BX, Fixed transparent cover type or Non-cover type available.
- LED screen for time and speed display, easy for reading and operation, except KJ-201BH.
- Wide voltage design avoids the impact of unstable voltage on the equipment.



KJ-201BE



KJ-201BX  
(With transparent cover)



KJ-201BH

#### Technical Data:

|                                  | KJ-201BE             | KJ-201BX                                      | KJ-201BH             |
|----------------------------------|----------------------|-----------------------------------------------|----------------------|
| Operation method:                | Circling             | Circling                                      | Circling             |
| Circling diameter:               | 22mm / 19mm          | 22mm / 19mm                                   | 22mm / 19mm          |
| Max. Loading weight:             | 1kg                  | 3kg                                           | 1kg                  |
| Speed range:                     | 20-230rpm            | 20-230rpm                                     | 0-210rpm             |
| Timing range:                    | 0-999min             | 0-999min                                      | 0-15min/0-60min      |
| Running mode:                    | Timing/Continuous    | Timing/Continuous                             | Timing/Continuous    |
| Input voltage(frequency):        | AC100-240V (50/60Hz) | AC100-240V (50/60Hz)                          | AC100-240V (50/60Hz) |
| Input power:                     | 10W                  | 10W                                           | 10W                  |
| Working plate size:              | 302×212mm            | 280×210 (Common type)<br>245×167 (With cover) | 302×212mm            |
| Protective class:                | IP21                 | IP21                                          | IP21                 |
| Permissible ambient temperature: | 5-50°C               | 5-50°C                                        | 5-50°C               |
| Permissible relative moisture:   | 80%                  | 80%                                           | 80%                  |
| Dimensions:                      | 330×320×110mm        | 320×315×120mm                                 | 330×320×110mm        |
| Net. Weight:                     | 4.2Kg                | 4.5Kg                                         | 4.6Kg                |

### >>> KJ-201BA Digital Microplate Shaker

#### Features:

- Suitable for thorough mixing of various PCR plates and ELISA plates.
- Capable of simultaneously mixing four PCR plates or ELISA plates.
- Driven by a high-performance, low-noise DC motor to ensure thorough and efficient mixing.
- Digital display for speed and time, with easy parameter modification using buttons for convenient operation, leading to more accurate experimental results.
- Designed with a rational structure, featuring high-quality silicone work boards that facilitate the easy loading and unloading of ELISA plates, eliminating the risk of tilting or shifting.



KJ-201BA

#### Technical Data:

|                                  | KJ-201BA              |
|----------------------------------|-----------------------|
| Operation method:                | Rapid orbital motion  |
| Eccentric diameter:              | 3mm                   |
| Rating speed:                    | 200-1500rpm           |
| Running mode:                    | Timing/Continuous     |
| Timing range:                    | 0-99h59min            |
| Max. loading:                    | 2/4 pcs microplate    |
| Input voltage(frequency):        | AC 100-240V (50/60Hz) |
| Permissible relative moisture:   | 80%                   |
| Input power:                     | 40W                   |
| Protective class:                | IP21                  |
| Permissible ambient temperature: | 5-50°C                |
| Dimensions:                      | 330×320×110mm         |
| Net. Weight:                     | 6.5Kg                 |



## Shaker

### >>> KJ-201BXA Orbital Shaker

#### Features:

Specially designed for the detection of non-specific antibodies in syphilis, specifically for VDRL, RPR, and TRUST experiments. It meets the WS/T491 health industry standards and uses a high-efficiency DC motor for driving. The structure is compact and reasonable, offering smooth, quiet operation with no noise.

- ⦿ Digital control for time and speed, ensuring precise control.
- ⦿ LED digital display for speed and time, making it easy to read and operate.
- ⦿ Wide voltage design effectively prevents interference from unstable power supply.
- ⦿ Transparent cover and humidification water tank design reduce the impact of external temperature and humidity on the samples.
- ⦿ One-touch reaction program key design, allowing direct access to the required experimental parameters.
- ⦿ Built-in anti-slip silicone mat and magnetic pressure plate in the tray, making it easy to use and preventing deformation or sliding of reaction plates during shaking.

#### Technical Data:

#### KJ-201BXA

|                                  |                     |
|----------------------------------|---------------------|
| Operation method:                | Circling            |
| Eccentric diameter:              | 19±1mm              |
| Max. Loading weight:             | 1Kg                 |
| Working plate size:              | 245×167mm           |
| Rating speed:                    | 20-230rpm           |
| Speed error:                     | ±2rpm               |
| Running mode:                    | Timing / Continuous |
| Timing range:                    | 0-999min            |
| Timing error:                    | ±1s/min             |
| Input voltage(frequency):        | AC100-240V(50/60Hz) |
| Permissible relative moisture:   | 80%                 |
| Input power:                     | 10W                 |
| Permissible ambient temperature: | 5-50℃               |
| Dimensions:                      | 335×320×145mm       |
| Net. Weight:                     | 4.6Kg               |



KJ-201BXA



One-touch program design.



Humidification water tank design on both sides.



Protective cover for thermal insulation and humidity control.

### >>> KJ-201A / KJ-201B / KJ-201C Microplate Shaker

#### Features:

- ⦿ Elastic silicon plate, easy to clean and wear-resisting. It can fit various kinds of microplates.
- ⦿ High performance & low noise motor to make rapid and thorough mixing.
- ⦿ Adjustable Analog dial design can ensure stepless speed adjustment, and constant run within set time.

KJ-201A  
(1 plate)



KJ-201B  
(4 plates)



KJ-201C  
(6 plates)



#### Technical Data:

|                                  | KJ-201A               | KJ-201B               | KJ-201C               |
|----------------------------------|-----------------------|-----------------------|-----------------------|
| Operation method:                | Rapid orbital motion  | Rapid orbital motion  | Rapid orbital motion  |
| Eccentric diameter:              | 8.5mm                 | 3.2mm                 | 9mm                   |
| Working plate size:              | 1 pc microplate       | 1-4 pcs microplate    | 1-6 pcs microplate    |
| Rating speed:                    | 800-2600rpm           | 600-2200rpm           | 200-2800rpm           |
| Running mode:                    | Timing/Continuous     | Timing/Continuous     | Timing/Continuous     |
| Timing range:                    | 0-60min               | 0-60min               | 0-15min               |
| Input voltage(frequency):        | AC 220V±10% (50/60Hz) | AC 220V±10% (50/60Hz) | AC 220V±10% (50/60Hz) |
| Permissible relative moisture:   | 80%                   | 80%                   | 80%                   |
| Output power:                    | 20W                   | 10W                   | 10W                   |
| Protective class:                | IP21                  | IP21                  | IP21                  |
| Permissible ambient temperature: | 5-50℃                 | 5-50℃                 | 5-50℃                 |
| Dimensions:                      | 185×185×135mm         | 240×250×135mm         | 310×280×225mm         |
| Net. Weight:                     | 1.5Kg                 | 3.8Kg                 | 6.2Kg                 |



## Shaker

### >>> KJ-202 Powder Shaker

#### Features:

- Reasonable design, the machine will be stable, No shifting or noise while running.
- Different types of plates can carry out rapid mixing of powder drug and liquid based cells.
- High performance AC motor, with wind cooling device to ensure long-time and safe running.



KJ-202

#### Technical Data:

| KJ-202                           |                       |
|----------------------------------|-----------------------|
| Operation method:                | Rapid orbital motion  |
| Eccentric diameter:              | 3.4mm / 4mm           |
| Rating speed:                    | 1000rpm / 1200rpm     |
| Running mode:                    | Continuous            |
| Input voltage(frequency):        | AC 220V±10% (50/60Hz) |
| Permissible relative moisture:   | 80%                   |
| Output power:                    | 12W / 24W             |
| Protective class:                | IP21                  |
| Permissible ambient temperature: | 5-50°C                |
| Dimensions:                      | 235×160×160mm         |
| Net. Weight:                     | 2.3Kg                 |

#### Optional plates:



Standard plate: Height 30mm.  
O-ring well included: Ø38×1, Ø35×2, Ø29×8, Ø25×8



Standard plate: Height 37mm  
O-ring well included: Ø33×12



Standard plate: Height 30mm  
O-ring well included: Ø25×20



Standard plate: Height 30mm  
O-ring well included: Ø29×20



Standard plate: Height 45mm.  
O-ring well included: Ø33×12



Standard plate: Height 30mm.  
O-ring well included: Ø33×6, Ø38×6

Recommended bottles: Diameter: 1-3mm less than the O-ring.  
Height: Double of the working plate.

### >>> KJ-201ZT Multifunction Shaker

#### Features:

- Reasonable design, the machine will be stable, No shifting or noise while running.
- High performance, low noise DC motor to ensure rapid and thorough mixing.
- Adjustable Analog dial design can ensure stepless speed adjustment.
- Customized plate available to meet different test requirements.



KJ-201ZT



#### Technical Data:

| KJ-201ZT                         |                                                        |
|----------------------------------|--------------------------------------------------------|
| Operation method:                | Rapid orbital motion                                   |
| Eccentric diameter:              | 4mm                                                    |
| Rating speed:                    | 600-2800rpm                                            |
| Running mode:                    | Continuous                                             |
| Max. loading:                    | 15 pcs 50mL centrifuge tubes<br>or 50 pcs 3-10mL tubes |
| Input voltage(frequency):        | AC 220V±10% (50/60Hz)                                  |
| Permissible relative moisture:   | 80%                                                    |
| Output power:                    | 10W                                                    |
| Protective class:                | IP21                                                   |
| Permissible ambient temperature: | 5-50°C                                                 |
| Dimensions:                      | 260×200×260mm                                          |
| Net. Weight:                     | 2.2Kg                                                  |





# Shaker

## >>> KJ-201MT / KJ-201MTA Multifunction Shaker

### Features:

Suitable for whole-rack mixing of racks for various tubes. Driven by a high-performance, low-noise DC motor for more thorough and efficient mixing. Well-designed with high-quality cushioning mat, featuring dual-layer clamping for stable and non-shifting performance during prolonged use.

### KJ-201MT Overview and Features

- Adjustable Analog dial design, easily achieve timed operation and stepless speed regulation.

### KJ-201MTA Overview and Features

- Digital display speed and time, button to modify parameters, convenient operation, making the experimental results more accurate.
- Pulse shaking mode can be used to mix viscous samples.



KJ-201MT



KJ-201MTA

### Technical Data:

|                                       | KJ-201MT             | KJ-201MTA                     |
|---------------------------------------|----------------------|-------------------------------|
| Running mode                          | Rapid orbital motion | Rapid orbital motion          |
| Eccentric diameter:                   | 4mm                  | 4mm                           |
| Rated speed                           | 500—2500rpm          | 500-2500rpm                   |
| Running mode                          | continuous, timed    | Continuous, timed, jog, pulse |
| Timing time setting range             | 0—15min              | 1S—99min                      |
| Pulse mode gap stop timing range      | -                    | 1S—99S                        |
| Pulse mode gap operation timing range | -                    | 1S—20min                      |
| Maximum cycles times in pulse mode    | -                    | 99 times                      |
| Work surface size                     | 340×220 mm           | 340×220 mm                    |
| Input power                           | 180W                 | 180W                          |
| Input voltage                         | AC220V±10% (50/60Hz) | AC100—240V (50/60Hz)          |
| Allowable relative humidity           | 80%                  | 80%                           |
| Shell protection grade                | IP21                 | IP21                          |
| Allowable ambient temperature         | 5—50℃                | 5—50℃                         |
| Dimensions                            | 440×290×480mm        | 440×290×480mm                 |
| Net weight                            | 16.5Kg               | 17Kg                          |



Working example 1:  
Batch mixing: 10mL sampling tubes,  
vacuum blood collection tubes, 10mL,  
15mL centrifuge tubes or test tubes, etc.



Working example 2:  
Batch mixing: 30mL sampling tubes,  
50mL centrifuge tubes.

### Optional Accessories:



Ø29mm 15-hole adapter, suitable for  
Tubes with diameter of 28-32mm



Ø25mm, 15-hole adapter, suitable for  
Tubes with diameter of 24-27mm



Ø20mm, 50-hole adapter, suitable for  
Tubes with diameter of 18-21mm



Ø15mm, 50-hole adapter, suitable for  
Tubes with diameter of 14-17mm



Ø12mm, 50-hole adapter, suitable for  
Tubes with diameter of 11-13mm



Ø10mm, 50-hole adapter, suitable for  
Tubes with diameter of 9-10mm



## Rocker

### >>> KJ-201BYA / KJ-201BYA-S Digital Rocking Mixer

#### Features:

- It can achieve a rocking motion with a swing angle of 7 degrees (the swing angle can be customized as needed), causing gentle undulating movements of the liquid within the container.
- Equipped with a specially designed silicone non-slip pad, along with fastening straps, it can accommodate various types of culture bottles and dishes.
- Driven by an efficient DC motor, it operates smoothly with low noise and has a long service life.
- LCD with backlight can display the current speed, time and operation mode, convenient for reading and setting.
- Digital display for adjusting time and speed, easily achieving timed, speed-controlled, and continuous operation modes.
- Wide voltage design avoids the impact of unstable voltage on the equipment.



KJ-201BYA



KJ-201BYA-S

#### Technical Data:

|                                  | KJ-201BYA                   | KJ-201BYA-S                 |
|----------------------------------|-----------------------------|-----------------------------|
| Operation method:                | Swing up and down           | Swing up and down           |
| Angle of tilt:                   | 7° (Customized from 7°-12°) | 7° (Customized from 7°-12°) |
| Max. Loading weight:             | 10kg                        | 5kg                         |
| Motor type:                      | DC motor                    | DC motor                    |
| Speed range:                     | 10-80rpm                    | 10-80rpm                    |
| Timing range:                    | 0-19h59min                  | 0-999min                    |
| Running mode:                    | Timing/Continuous           | Timing/Continuous           |
| Input voltage(frequency):        | AC100-240V(50/60Hz)         | AC100-240V(50/60Hz)         |
| Input power:                     | 40W                         | 20W                         |
| Working plate size:              | 280×320mm                   | 230×318mm                   |
| Protective class:                | IP21                        | IP21                        |
| Permissible ambient temperature: | 5-50°C                      | 5-50°C                      |
| Permissible relative moisture:   | 80%                         | 80%                         |
| Dimensions:                      | 420×355×180mm               | 350×320×175mm               |
| Net. Weight:                     | 11.5Kg                      | 5.3Kg                       |

### >>> KJMR-VA / KJMR-VA-S Digital 3D Rocking Mixer

#### Features:

- Capable of three-dimensional circular rotation with a fixed tilt angle, particularly suitable for low-foam oscillation, DNA extraction, staining, and decolorization processes.
- Equipped with a specially designed silicone non-slip pad, along with fastening straps, it can accommodate various types of culture bottles and dishes.
- Driven by an efficient DC motor, it operates smoothly with low noise and has a long service life.
- Digital display for adjusting time and speed, easily achieving timed, speed-controlled, and continuous operation modes.
- Wide voltage design effectively prevents interference from unstable power sources.



KJMR-VA



KJMR-VA-S

#### Technical Data:

|                                  | KJMR-VA                    | KJMR-VA-S           |
|----------------------------------|----------------------------|---------------------|
| Operation method:                | 3D nutating motion         | 3D nutating motion  |
| Angle of tilt:                   | 9°(Customized from 7°-12°) | 1°-12° (Adjustable) |
| Max. Loading weight:             | 5Kg                        | 2Kg                 |
| Motor type:                      | DC motor                   | DC motor            |
| Speed range:                     | 10-80rpm                   | 10-80rpm            |
| Timing range:                    | 0-19h59min                 | 0-999min            |
| Running mode:                    | Timing/Continuous          | Timing/Continuous   |
| Input voltage(frequency):        | AC100-240V(50/60Hz)        | AC100-240V(50/60Hz) |
| Input power:                     | 40W                        | 20W                 |
| Working plate size:              | 280×320mm                  | 230×318mm           |
| Protective class:                | IP21                       | IP21                |
| Permissible ambient temperature: | 5-50°C                     | 5-50°C              |
| Permissible relative moisture:   | 80%                        | 80%                 |
| Dimensions:                      | 420×355×190mm              | 350×320×175mm       |
| Net. Weight:                     | 12Kg                       | 5.3Kg               |





## Rocker

### >>> KJMR-V 3D Rocking Mixer

#### Features:

- It can carry out the action of 3D circling rotation with 20° tilt angle (can be customized), especially adapted to mixing of samples with low froth, And in process of DNA extracting, staining and decoloration.
- Driven by High performance AC Motor, Running stable, No noise, Long lifetime.
- Tight and reasonable structure makes it running stable. adapted to various environment.
- Specified anti-slip dimpled pad is adapted to mixing of multiple types of test tubes, centrifuge tubes and tubular container.

#### Technical Data:

|                           | KJMR-V              |
|---------------------------|---------------------|
| Operation method:         | 3D nutating motion  |
| Angle of tilt:            | 20°                 |
| Max. Loading weight:      | 1kg                 |
| Motor type:               | AC motor            |
| Speed range:              | 20rpm               |
| Running mode:             | Continuous          |
| Input voltage(frequency): | AC220V±10%(50/60Hz) |
| Input power:              | 6W                  |
| Working plate size:       | 170×240mm           |



KJMR-V

#### Technical Data:

|                                  | KJMR-V        |
|----------------------------------|---------------|
| Protective class:                | IP21          |
| Permissible ambient temperature: | 5-50°C        |
| Permissible relative moisture:   | 80%           |
| Dimensions:                      | 200×160×160mm |
| Net. Weight:                     | 2.5Kg         |

### >>> KJ-201BY / KJ-201BY-T Rocking Mixer

#### Features:

- It can carry out an action of waving swing up and down of 20 degree, which can make the liquid in the container to move mild like the wave.
- Driven by High performance motor, Running stable, No noise, Long lifetime.
- Tight and reasonable structure makes it running stable, adapted to various applications.
- A wide variety of accessories are available, suitable for shaking various tubes, centrifuge tubes, and other tubular containers.



KJ-201BY



KJ-201BY-T



#### Technical Data:

|                           | KJ-201BY              | KJ-201BY-T            |
|---------------------------|-----------------------|-----------------------|
| Operation method:         | Swing up and down     | Swing up and down     |
| Angle of tilt:            | 20°                   | 20°                   |
| Max. Loading weight:      | 1kg / 2kg             | 1kg                   |
| Motor type:               | AC Motor              | DC Motor              |
| Speed range:              | 15rpm                 | 10-90rpm              |
| Running mode:             | Continuous            | Continuous            |
| Input voltage(frequency): | AC 220V±10% (50/60Hz) | AC 100-240V (50/60Hz) |

#### Technical Data:

|                                  | KJ-201BY                                | KJ-201BY-T                      |
|----------------------------------|-----------------------------------------|---------------------------------|
| Input power:                     | 6W                                      | 40W                             |
| Working plate size:              | 252×170mm / 252×170mm ×2                | 252×170mm                       |
| Protective class:                | IP21                                    | IP21                            |
| Permissible ambient temperature: | 5-50°C                                  | 5-50°C                          |
| Permissible relative moisture:   | 80%                                     | 80%                             |
| Dimensions:                      | 346×196×95mm / 350×198×145mm            | 346×196×118mm                   |
| Net. Weight:                     | 2.5kg / 2.7kg (no accessories included) | 2.8Kg (no accessories included) |



## Rocker

### >>> KJMR-III Multifunction Rotator

#### Features:

- Three selectable mixing program modes, suitable for mixing blood samples, urine, injections, plasma, and other substances.
  - Driven by an efficient DC stepper motor, it operates smoothly with low noise and has a long service life.
  - Specially designed silicone ring fixture, suitable for various types of test tubes and centrifuge tubes.
- Compact structure, less space occupation, suitable for a variety of places
- Digital control of time and speed for more precise control.
  - LCD liquid crystal display for speed, time, and operating mode, facilitating easy reading and operation.
  - Touch-sensitive membrane switch panel design for easier operation.

#### Technical Data:

#### KJMR-III

|                                  |                                                                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation method:                | Rotation: 360°clockwise / 360°anticlockwise / 360°clockwise-anticlockwise cross<br>Shaking: Forward-backward reciprocating action with <5°angle<br>Vortex: Forward-backward reciprocating action with <5°angle+360°clockwise rotation |
| Speed range:                     | 5-40rpm                                                                                                                                                                                                                               |
| No.1 working plate:              | 1.5mL-15mL test tube or centrifuge tube 22pcs                                                                                                                                                                                         |
| No.2 working plate:              | 50mL centrifuge tube 6pcs, 1.5mL-15mL test tube or centrifuge tube 4pcs                                                                                                                                                               |
| Running mode:                    | Timing                                                                                                                                                                                                                                |
| Timing range:                    | 1min-60h                                                                                                                                                                                                                              |
| Input voltage(frequency):        | AC 220V±10%(50/60Hz)                                                                                                                                                                                                                  |
| Input power:                     | 15W                                                                                                                                                                                                                                   |
| Protective class:                | IP31                                                                                                                                                                                                                                  |
| Permissible ambient temperature: | 5-50°C                                                                                                                                                                                                                                |
| Permissible relative moisture:   | 80%                                                                                                                                                                                                                                   |
| Dimensions:                      | 380×182×190mm                                                                                                                                                                                                                         |
| Net. Weight:                     | 3 kg                                                                                                                                                                                                                                  |



#### Working plate 1:

Suitable for holding Ø12, Ø13, Ø16 test tubes and all types of centrifuge tubes between 1.5 mL and 15 mL.

KJMR-III



#### Working plate 2:

Suitable for holding Ø12, Ø13, Ø16 test tubes and all types of centrifuge tubes between 1.5 mL and 50 mL.

### >>> KJMR-IIIA Multifunction Rotator

#### Features:

- Suitable for mixing blood samples, urine samples, injections, plasma and other substances.
- Driven by a high-efficiency DC motor for stable operation, low noise and long service life.
- Various test tube holders can be freely selected to fit different types of test tubes and centrifuge tubes.
- Compact structure with small space occupation, suitable for various working scenarios.
- Time and speed are digitally controlled for higher accuracy.
- LED display for speed, time and working mode, enabling easy reading and operation.

#### Technical Data:

#### KJMR-IIIA

|                                |                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------|
| Operation method:              | 360° counterclockwise rotation                                                                 |
| Speed Range:                   | 10-80 rpm                                                                                      |
| Running Mode:                  | Continuous / Timed                                                                             |
| Timing Range:                  | 0-999 min                                                                                      |
| Work Plate 1:                  | Number of tubes: 24PCS (for 50 ml centrifuge tubes)                                            |
| Work Plate 2:                  | Number of tubes: 24PCS (for Ø16 mm test tubes, 10 ml centrifuge tubes, 15 ml centrifuge tubes) |
| Work Plate 3:                  | Number of tubes: 24PCS (for Ø16 mm & Ø13 mm test tubes, 1.5 ml centrifuge tubes)               |
| Work Plate 4:                  | Number of tubes: 48PCS (for 0.5 ml centrifuge tubes)                                           |
| Input Voltage:                 | AC 90-240 V (50/60 Hz)                                                                         |
| Allowable Relative Humidity:   | 80%                                                                                            |
| Input Power:                   | 40 W                                                                                           |
| Housing Protection Grade:      | IP31                                                                                           |
| Allowable Ambient Temperature: | 5-50 °C                                                                                        |
| Overall Dimensions:            | 490 × 186 × 262 mm                                                                             |
| Net Weight:                    | 7.5 kg                                                                                         |



KJMR-IIIA



## Rocker

### >>> KJ-201BYM KJ-201BYMA Intelligent Blood Collection Weighing Rocker

#### Features:

The KJ-201BYM series intelligent blood collection weighing rockers are specially designed for blood stations and mobile blood donation vehicles. They prevent blood coagulation during blood collection procedures and are applicable to hospitals and blood centers at all levels.

- ⦿ 4.3-inch touchscreen for real-time digital monitoring of the entire blood collection process.
- ⦿ Customizable target blood collection volume, maximum capacity up to 1000 mL.
- ⦿ Real-time blood flow rate monitoring with automatic alarm for abnormal flow speed.
- ⦿ The working tray automatically levels upon completion of blood collection, accompanied by visual and audible alert notifications.
- ⦿ Optional flow blocker to automatically cut off blood collection once sampling finishes.
- ⦿ Magnetic removable working tray for easy disassembly, installation and cleaning.
- ⦿ Standard high-capacity lithium battery supporting over 8 hours of continuous operation.
- ⦿ Compatible with barcode scanners for quick entry of blood bag barcode data.
- ⦿ Automatically records sampling duration, collected blood volume and flow rate; storage capacity for up to 1,000 data entries.
- ⦿ Data exportable in csv format for streamlined blood collection information management.

#### ⦿ Exclusive Functions of KJ-201BYMA:

- Abnormal blood bag placement alarm to avoid misloading blood bags.
- Customizable retained sample volume to facilitate subsequent blood specimen testing for medical staff.
- Independent dedicated modes for 200mL /300mL /400mL blood collection for fast, straightforward operation.
- Auto-pause function when blood bag is removed mid-collection to prevent operational errors and ensure safety.



KJ-201BYM / KJ-201BYMA

(Blood bag is not included)

#### Technical Data:

#### KJ-201BYM / KJ-201BYMA

|                                     |                                                                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Blood Collection Range:             | 10mL–1000mL                                                                                                                      |
| Adjustable Flow Rate:               | 0–400mL/min                                                                                                                      |
| Resolution:                         | 1mL/1g                                                                                                                           |
| Volume Accuracy Error:              | ±5%                                                                                                                              |
| Liquid Specific Gravity:            | 1.05g/mL (Customizable on KJ-201BYMA model)                                                                                      |
| Rocking Angle:                      | 5°–15°                                                                                                                           |
| Rocking Speed:                      | 10–40 rpm                                                                                                                        |
| Input Power:                        | 40W                                                                                                                              |
| Input Voltage:                      | DC 24V                                                                                                                           |
| Compatible Tubing for Flow Blocker: | Ø3 – Ø6 mm, wall thickness 0.5 mm                                                                                                |
| Blocking Thrust Force:              | >15N                                                                                                                             |
| Ambient Relative Humidity Range:    | ≤ 80% RH                                                                                                                         |
| Enclosure Ingress Protection:       | IP43                                                                                                                             |
| Operating Ambient Temperature:      | 5°C–50°C                                                                                                                         |
| Overall Dimension:                  | 300×190×120mm (excluding blocker)                                                                                                |
| Net Weight:                         | 1.7kg (with battery, excluding blocker; Blocker weighs 0.18 kg)                                                                  |
| Battery Capacity:                   | 4000mAh                                                                                                                          |
| Alert Functions:                    | Abnormal flow rate alarm, overtime alarm, visual & audible completion reminder, automatic flow blocking upon finished collection |



## Rotator

### >>> KJMR-IV Rotator Mixer

#### Features:

- 360 degree mild rotation mixing can keeps sample in suspension. Adapted to mixing of blood, urinary samples etc.
- Driven by High performance DC declaration Motor, Running stable, No noise, Long lifetime.
- Compact and reasonable structure makes it running stable. Adapted to various applications.
- Four types elastic clip could be randomly combined for use. Adapted to 1.5mL, 15mL, 50mL centrifuge tubes and test tubes with Ø8, Ø9, Ø12, Ø13, Ø16mm diameter.



KJMR-IV

### >>> KJMR-IVA Rotator Mixer

#### Features:

- 360 degree mild rotation mixing can keeps sample in suspension. Adapted to mixing of blood, urinary samples etc.
- Driven by High performance DC declaration Motor, Running stable, No noise, Long lifetime.
- Compact and reasonable structure makes it running stable. Adapted to various applications.
- LED with backlight can display the current speed, time and operation mode, convenient for reading and setting.
- Precise digital time and speed setting can easily carry out the continuous operation mode.
- Wide voltage design avoids the impact of unstable voltage on the equipment.
- Four types elastic clip could be randomly combined. Adapted to 1.5mL, 15mL, 50mL centrifuge tubes and test tubes with Ø8, Ø9, Ø12, Ø13, Ø16mm diameter.

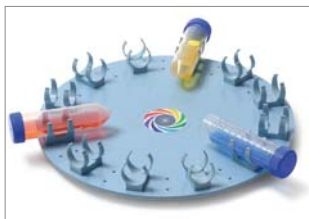


KJMR-IVA

#### Technical Data:

|                                  | KJMR-IV                                                                             | KJMR-IVA                                                                            |
|----------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Operation method:                | 360° rotation                                                                       | 360° rotation                                                                       |
| Tilt angle of the plate:         | 38°                                                                                 | 38°                                                                                 |
| Speed range:                     | 6-32rpm                                                                             | 5-35rpm                                                                             |
| Timing range:                    | —                                                                                   | 0-999min                                                                            |
| Clip Qty:                        | Large size 12pcs<br>Medium size 24pcs<br>Small size 24pcs<br>Extra samll size 24pcs | Large size 12pcs<br>Medium size 24pcs<br>Small size 24pcs<br>Extra samll size 24pcs |
| Running mode:                    | Continuous                                                                          | Timing/Continuous                                                                   |
| Plate diameter:                  | Ø300mm                                                                              | Ø300mm                                                                              |
| Input voltage(frequency):        | AC100-240V (50/60Hz)                                                                | AC100-240V (50/60Hz)                                                                |
| Input power:                     | 10W                                                                                 | 10W                                                                                 |
| Protective class:                | IP31                                                                                | IP31                                                                                |
| Permissible ambient temperature: | 5-50°C                                                                              | 5-50°C                                                                              |
| Permissible relative moisture:   | 80%                                                                                 | 80%                                                                                 |
| Dimensions:                      | 310×300×420mm                                                                       | 310×300×420mm                                                                       |
| Net. Weight:                     | 4.3Kg                                                                               | 4.0Kg                                                                               |

#### Available plates:



Large size clip, for 50mL centrifuge tubes.



Medium size clip, for Ø16mm test tubes and 10mL, 15mL centrifuge tubes.



Small size clip, for Ø13mm test tube, Ø12mm test tube, 1.5mL centrifuge tube.



Extra small size clip, for Ø8-9mm test tube and 0.5mL centrifuge tube.



## Rotator

### >>> KJMR-IVD Rotator Mixer

#### Features:

- Digital adjustment of speed and time.
- LED display of speed and time.
- Speed range from 5 to 35rpm.
- Rotating motion, gives gentle but effective mixing.
- Adjustable mixing angle from 0 to 90°.
- A wide variety of accessories are available.



Suitable for widely tubes, such as 50mL, 15mL, 10mL centrifuge tubes, Ø16mm, Ø13mm, Ø12mm, Ø8-9mm test tubes and the others.



The mixing angle can be easily adjusted by adjusting handle.



LED with backlight can display the current speed, time and operation mode, convenient for reading and setting.



Silicone rubber feet, for more stable running.



KJMR-IVD

#### Technical Data:

#### KJMR-IVD

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| Operation method:                | 360° rotation                                                                          |
| Tilt angle of the plate:         | 0-90°                                                                                  |
| Speed range:                     | 5-35rpm (Customized 10-80rpm)                                                          |
| Timing range:                    | 0-999min                                                                               |
| Clip Qty:                        | Large size 8 pcs<br>Medium size 16 pcs<br>Small size 64 pcs<br>Extra small size 64 pcs |
| Running mode:                    | Timing/Continuous                                                                      |
| Plate diameter:                  | Ø280mm                                                                                 |
| Input voltage(frequency):        | AC 100-240V(50/60Hz)                                                                   |
| Input power:                     | 10W                                                                                    |
| Protective class:                | IP31                                                                                   |
| Permissible ambient temperature: | 5-50°C                                                                                 |
| Permissible relative moisture:   | 80%                                                                                    |
| Dimensions:                      | 280×210×300mm                                                                          |
| Net. Weight:                     | 4.0Kg                                                                                  |





## Roller

### >>> KJMR-I / KJMR-I-S Roller Mixer

#### Features:

- It can carry out two functions (Roll and Swing) at same time, adapted to mixing of blood samples, adhesive materials and Liquid - solid suspensions.
- Driven by High performance motor, Running stable, No noise, Long lifetime.
- 5 rolls, compact structure makes it less space occupation. It can be put in cold closet or incubators, suitable for various applications.
- Reasonable space between the rolls makes it fit for different size tubes.

KJMR-I



KJMR-I-S



### >>> KJMR-II Roller Mixer

#### Features:

- It can carry out two functions (Roll and Swing), adapted to mixing of blood samples, adhesive materials and Liquid - solid suspensions.
- Driven by High performance DC declaration Motor, Running stable, No noise, Long lifetime.
- 7 rolls, compact structure makes it less space occupation, suitable for various applications.
- Reasonable space between the rolls makes it fit for different size tubes.
- According to actual requirements, We can customize the bidirectional Cross Rolling Mode. The roller can be extended within a certain range to fit for more tubes.

KJMR-II



### >>> KJMR-IIA Roller Mixer

#### Features:

- It can carry out two functions(Roll and Swing), adapted to mixing of blood samples, adhesive materials and Liquid - solid suspensions.
- Driven by High performance DC declaration Motor, Running stable, No noise, Long lifetime.
- 7 rolls, compact structure makes it less space occupation, suitable for various applications.
- LED with backlight can display the current speed, time and operation mode, convenient for reading and setting.
- Precise digital time and speed setting can easily carry out the continuous operation mode.
- Wide voltage design avoids the impact of unstable voltage on the equipment.
- Reasonable space between the rolls makes it fit for different size tubes.
- According to actual requirements, We can customize the bidirectional Cross Rolling Mode. The roller can be extended within a certain range to fit for more tubes.

KJMR-IIA



#### Technical Data:

|                                  | KJMR-I               | KJMR-I-S      | KJMR-II                                 | KJMR-IIA                                |
|----------------------------------|----------------------|---------------|-----------------------------------------|-----------------------------------------|
| Operation method:                | Roll+swing           | Roll+swing    | Roll+swing                              | Roll+swing                              |
| Swing angle:                     | ±11°                 | ±7°           | 22mm±1mm                                | 22mm±1mm                                |
| Rating speed:                    | 36rpm                | 15-50rpm      | 20-80rpm                                | 20-100rpm                               |
| Max. Loading weight:             | 0.8Kg                | 0.8Kg         | 1.5Kg                                   | 1.5kg                                   |
| Running mode:                    | Continuous           | Continuous    | Continuous                              | Continuous, Timing                      |
| Timing range:                    | —                    | —             | —                                       | 0-999min                                |
| Input voltage (frequency):       | AC 220V±10%(50/60Hz) | DC 12V        | AC100-240V (50/60Hz)                    | AC100-240V (50/60Hz)                    |
| Permissible relative moisture:   | 80%                  | 80%           | 80%                                     | 80%                                     |
| Output power:                    | 6W                   | 10W           | 10W                                     | 10W                                     |
| Roll length:                     | 212mm                | 212mm         | Standard 240mm (customizable 270/340mm) | Standard 240mm (customizable 270/340mm) |
| Protective class:                | IP21                 | IP21          | IP21                                    | IP21                                    |
| Permissible ambient temperature: | 5-50°C               | 5-50°C        | 5-50°C                                  | 5-50°C                                  |
| Dimensions:                      | 260×155×140mm        | 255×155×115mm | 410×270×100mm                           | 410×270×100mm                           |
| Net. Weight:                     | 3Kg                  | 3Kg           | 4.5Kg                                   | 4.0kg                                   |
| Battery Capacity:                | —                    | 3000mAh       | —                                       | —                                       |



## Vortex Mixer



XH-B

### >>> XH-B Vortex Mixer

#### Features:

- Wide application range: Can be used for mixing samples in Test tubes, Centrifuge tubes, flasks etc.
- High performance & low noise AC motor to make rapid and thorough mixing.
- Specified designed operation panel, easy to clean and wear-resisting.
- Shaking speed can be adjusted automatically based on the pressure.



XH-C

### >>> XH-C Vortex Mixer

#### Features:

- Adapted to the mixing of finger tip blood sample. It can fit different types of centrifuge tubes and mix the sample thoroughly without damaging the blood cells.
- High performance & low noise AC motor to make rapid and thorough mixing.
- Continuous and jog model available, easy to operate.
- Reasonable design, compact structure and stable performance.

### >>> XH-D Vortex Mixer

#### Features:

- Suitable for resuspending particles, vortexing cell suspensions or drug extractions, mixing tissue samples, ELISA, and RIA tests.
- Multiple plates available, can be used for various kinds of test tubes and small containers.
- High performance & low noise AC motor to make rapid and thorough mixing.
- Continuous and jog model available, easy to operate. Analog dial design makes it easy carry out stepless speed regulating.
- Reasonable design, compact structure and stable performance.

#### XH-D Available adapters:



Multi-well plates, for 1.5mL and 2mL Micro centrifuge tubes.



Silicon anti-slip plate, for test tubes or containers with bottom diameter less than 99mm.



Standard Silicon head: For test tubes or containers with bottom diameter less than 30mm.



Standard plastic head: For 10-50mL conical end centrifuge tubes and various kinds of test tubes.



XH-D

#### Technical Data:

|                                  | XH-B                 | XH-C                 | XH-D                      |
|----------------------------------|----------------------|----------------------|---------------------------|
| Operation method:                | Rapid orbital motion | Rapid orbital motion | Rapid orbital motion      |
| Eccentric diameter:              | 3.6mm                | 3mm / 4mm            | 4.4mm (3mm Customizable)  |
| Rating speed:                    | 2800rpm              | 2800rpm              | 800-2800rpm               |
| Running mode:                    | Continuous           | Continuous, Jog      | Continuous, Jog           |
| Working plate size:              | Ø100mm               | Ø55mm                | Suit for 4 kinds of plate |
| Input voltage (frequency):       | AC 220V±10%(50/60Hz) | AC 220V±10%(50/60Hz) | AC 220V±10%(50/60Hz)      |
| Permissible relative moisture:   | 80%                  | 80%                  | 80%                       |
| Output power:                    | 30W                  | 30W                  | 30W                       |
| Protective class:                | IP21                 | IP21                 | IP21                      |
| Permissible ambient temperature: | 5-50°C               | 5-50°C               | 5-50°C                    |
| Dimensions:                      | 100×130×135mm        | Ø110×150mm           | 180×120×180mm             |
| Net. Weight:                     | 2.3Kg                | 2.5Kg                | 4.5Kg                     |



## Vortex Mixer

### >>> XH-E / XH-F Vortex Mixer

#### Features:

- Suitable for resuspending particles, vortexing cell suspensions or drug extractions, mixing tissue samples.
- Seven optional adapters, suitable for various centrifuge tubes, ranging from 0.2mL to 50mL, and other containers such as test tubes and flasks.
- Precisely adjustable speed, powerful yet stable.
- Rational design, stable performance, flexible and easy operation.

#### Optional adapters:



Rubber non-slip mat, suitable for test tubes or containers with a diameter less than 99mm



Silicone standard head, suitable for test tubes and small containers with a diameter less than 30mm



4-well adapter, suitable for 50mL centrifuge tube



8-well adapter, suitable for 5mL, 10mL, 15mL centrifuge tubes



24-well adapter, suitable for 1.5mL and 2mL centrifuge tubes



37-well adapter, suitable for 0.5mL centrifuge tube



88-well adapter, suitable for 0.2mL centrifuge tube



XH-E



XH-F

### >>> XH-S / XH-SA Vortex Mixer

#### Features:

- For small amount of sample mix;
- Jog made for easy operation;
- Small and Compact;
- DC brushless motor, stable performance.



XH-S



XH-SA

#### Technical Data:

|                                  | XH-E                      | XH-F                      | XH-S                                       | XH-SA                                      |
|----------------------------------|---------------------------|---------------------------|--------------------------------------------|--------------------------------------------|
| Operation method:                | Rapid orbital motion      | Rapid orbital motion      | Rapid orbital motion                       | Rapid orbital motion                       |
| Eccentric diameter:              | 4.4mm                     | 4mm                       | 4.5mm                                      | 4.5mm                                      |
| Motor type:                      | Shaded-pole motor         | DC brushless              | DC brushless                               | DC brushless                               |
| Rating speed:                    | 0-2800rpm                 | 200-3000rpm               | 3000rpm                                    | 0-3000rpm                                  |
| Running mode:                    | Continuous, Jog           | Timing, Continuous, Jog   | Jog                                        | Jog                                        |
| Working plate size:              | Suit for 7 kinds of plate | Suit for 7 kinds of plate | For small containers with diameter ≤ 30 mm | For small containers with diameter ≤ 30 mm |
| Input voltage(frequency):        | AC 220V±10% (50/60Hz)     | AC 100-240V (50/60Hz)     | AC100-240V (50/60Hz)                       | AC100-240V (50/60Hz)                       |
| Permissible relative moisture:   | 80%                       | 80%                       | 80%                                        | 80%                                        |
| Output power:                    | 60W                       | 40W                       | 5W                                         | 5W                                         |
| Protective class:                | IP21                      | IP21                      | IP43                                       | IP43                                       |
| Permissible ambient temperature: | 5-50°C                    | 5-50°C                    | 5-50°C                                     | 5-50°C                                     |
| Dimensions:                      | 130×160×155mm             | 130×160×155mm             | Ø100×90mm                                  | Ø100×90mm                                  |
| Net. Weight:                     | 2.5Kg                     | 2.5Kg                     | 0.6kg                                      | 0.6kg                                      |



# Centrifuge

## >>> KJLC-I Centrifuge

### Brief Introduction:

⊙ KJLC-I Centrifuge with brushless DC motor and microcomputer. It has LCD display, standard equipped rotor, time setting function and features like stepless speed change, etc. It's the ideal equipment applicable for clinic test, biochemistry, immunology, etc. which is mostly chosen by the institution like medical health, food, environment, scientific research, teaching and biochemical test, etc.

### Features:

#### 1. Outstanding performance:

- ⊙ CPU precise controlling, high performance brushless DC motor, maintenance free.
- ⊙ Highly accurate speed control.
- ⊙ Timing begins after speed steady to guarantee a more precise centrifuge time.
- ⊙ Two kinds of acceleration curves, three kinds of deceleration curves, free match and combinations between acceleration and deceleration, makes the specimen separation better.

#### 2. Reliable safety:

- ⊙ Full 304 stainless steel made rotor chamber guarantees much more safety for the rotor running.
- ⊙ Closed centrifuge chamber can much reduce biological contamination risk.

- ⊙ Aluminum material rotor ensures long service life.

- ⊙ Four important safety functions: Lid interlock, monitor for lid open / close condition, over-speed protection, automatic internal diagnosis, which can highly protect operation staff and the centrifuge.

#### 3. User-friendly design:

- ⊙ Time and speed display simultaneously, convenient for monitoring the running condition of the centrifuge.
- ⊙ Three kinds of operating mode: 10s-99min59s timing, continuous run and short run.
- ⊙ G-force (RCF) and speed (RPM) switch displayed, convenient for reading.
- ⊙ 10 groups operating parameter memory makes the working efficiency highly improved.
- ⊙ Quiet running with noise lower than 65dB.

### Rotor:



6-Bore swing-out rotor, Ø25×83 adapter



24-bore angle rotor, Ø16×85 colour adapter



12-bore angle rotor, Ø17×105 adapter



6-bore angle rotor, Ø32×100 adapter, Used for 50mL centrifuge tubes



48mm & 23mm Rubber cushion



KJLC-I

| Rotor NO. | Rotor Description      | Tube Specifications    | Tube Quantity | Tube Size (diameter×length) | Max. Speed | Max. RCF | Adapter Size (diameter×length) | Accessory (Rubber Cushion) |
|-----------|------------------------|------------------------|---------------|-----------------------------|------------|----------|--------------------------------|----------------------------|
| 1         | 6-Bore Swing-out Rotor | 8.5-10mL (Test tube)   | 6             | Ø15×107 mm                  | 4000rpm    | 2200 × g | Ø25×83mm                       | —                          |
|           |                        | 4-7mL (Test tube)      |               | Ø13×106 mm                  |            |          |                                |                            |
|           |                        | 1.5-5mL (Test tube)    |               | Ø13×82 mm                   |            |          |                                |                            |
|           |                        | 4-7mL (Test tube)      |               | Ø15×75 mm                   |            |          |                                |                            |
| 2         | 24-Bore Angle Rotor    | 8.5-10mL (Test tube)   | 24            | Ø15×107 mm                  | 4500rpm    | 2558 × g | Ø16×85mm                       | —                          |
|           |                        | 4-7mL (Test tube)      |               | Ø13×106 mm                  |            | 2558 × g |                                | —                          |
|           |                        | 1.5-5mL (Test tube)    |               | Ø13×82 mm                   |            | 2264 × g |                                | 23mm                       |
|           |                        | 4-7mL (Test tube)      |               | Ø15×75 mm                   |            |          |                                |                            |
| 3         | 12-Bore Angle Rotor    | 8.5-10mL (Test tube)   | 12            | Ø16×107 mm                  | 4000rpm    | 1968 × g | Ø17×105mm                      | 23mm                       |
|           |                        | 4-7mL (Test tube)      | 12            | Ø13×106 mm                  |            | 1968 × g |                                | 23mm                       |
|           |                        | 1.5-5mL (Test tube)    | 12            | Ø13×82 mm                   |            | 1681 × g |                                | 48mm                       |
|           |                        | 15mL (Centrifuge tube) | 8             | Ø17×120 mm                  |            | 2200 × g |                                | —                          |
| 4         | 6-Bore Angle Rotor     | 50mL (Centrifuge tube) | 6             | Ø29×117 mm                  | 4000rpm    | 2200 × g | Ø32×100mm                      | —                          |

### Technical Data:

|                   |                                                                                                                                                  |                            |                                                                                                             |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------|
| Rated speed:      | 100-4500rpm, increment: 10rpm / 100rpm (fast turning the SPEED dial)                                                                             | Drive motor:               | Brushless DC motor                                                                                          |
| Maximum RCF:      | Rotor 1: 2558×g increment: 10×g / 100×g (fast turning the SPEED dial)<br>Rotor 2&3: 2200×g increment: 10×g / 100×g (fast turning the SPEED dial) | Output power:              | 94W                                                                                                         |
| Speed accuracy:   | ±2.5%                                                                                                                                            | Input power:               | 300W                                                                                                        |
| Maximum capacity: | 300mL                                                                                                                                            | Input voltage (Frequency): | AC100-240V (50-60Hz)                                                                                        |
| Running mode:     | Timing / Continuous / Joy                                                                                                                        | Noise level:               | < 65dB                                                                                                      |
| Timing range:     | 10s-99min59s increment: 1S/1min(fast turning the SPEED dial)                                                                                     | ACC/DEC: Acceleration:     | Fast(Accelerate to Max. speed < 23S)<br>Slow(Accelerate to Max. speed < 66S)                                |
| Rotor type:       | 6/12/24-bore angle rotor                                                                                                                         | Deceleration:              | Fast(Decelerate to stop < 23S)<br>Slow(Decelerate to stop < 66S)<br>Normal (according to the specimen mass) |
| Safety function:  | Lid interlock, monitor for lid open / close condition, over-speed protection, automatic internal diagnosis                                       | Dimension:                 | 450×340×230mm                                                                                               |
| Driving motor:    | Brushless DC motor                                                                                                                               | Net weight:                | 10kg                                                                                                        |



## Centrifuge

### >>> KJLC-II Mini Centrifuge

#### Features:

- High-performance DC motor, powerful engine, quiet when running, noise < 50dB.
- Closed-loop control technology, accurate speed control.
- Wide-voltage design to prevent interference to the running accuracy by mains fluctuation.
- Clear LED display to show time and speed.
- Speed and time adjustable for various lab experiments.
- Big volume design, max. capacity up to 8×2mL micro centrifuge tube or 16×0.2mL PCR tube.
- Rapid speed up and down. Less than 10s required to reach 10000rpm, and stop within 5s from 10000rpm.
- Easy rotor switching without any tools.
- Cover opening and closing supervision system ensures safe running.
- Five colors available for the safety cover.

### >>> KJLC-II-S1 Mini Centrifuge

#### Features:

- Ideal for microfiltration and quick spin-downs.
- Easy-to-use with dual start / stop function.
- 6000rpm fixed speed.
- Compatible with 2mLx8 and PCR8x2 rotors.
- Quiet running, noise level < 50dB.
- Rotor change without tools.
- Accelerates and brakes in seconds.



#### Technical Data:

|                     | KJLC-II                                                                                                         | KJLC-II-S1                                                                                                      |
|---------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Rated speed:        | 3000-10000rpm(1000rpm/step)                                                                                     | 6000rpm                                                                                                         |
| Maximum RCF:        | 5460×g                                                                                                          | 3280×g                                                                                                          |
| Adapted tube:       | 1) 8×0.2mL / 8×0.5mL / 8×1.5mL / 8×2mL centrifuge tube<br>2) 2×0.1mL PCR-8 strip tube, 2×0.2mL PCR-8 strip tube | 1) 8×0.2mL / 8×0.5mL / 8×1.5mL / 8×2mL centrifuge tube<br>2) 2×0.1mL PCR-8 strip tube, 2×0.2mL PCR-8 strip tube |
| Running mode:       | Timing/Continuous                                                                                               | Continuous                                                                                                      |
| Timing range:       | 0-99min                                                                                                         | —                                                                                                               |
| Safety performance: | Lid opening/closing supervision                                                                                 | Lid opening/closing supervision                                                                                 |
| Motor:              | DC motor                                                                                                        | DC motor                                                                                                        |
| Input power:        | 40W                                                                                                             | 20W                                                                                                             |
| Output power:       | 16W                                                                                                             | 5W                                                                                                              |
| Power supply:       | Single-phase 100-240V (50-60Hz)                                                                                 | Single-phase 100-240V (50-60Hz)                                                                                 |
| Noise range:        | < 50 dB                                                                                                         | < 50 dB                                                                                                         |
| Dimension:          | 195(L)×170(W)×135(H)                                                                                            | 195(L)×170(W)×135(H)                                                                                            |
| Net weight:         | 0.8kg                                                                                                           | 0.6kg                                                                                                           |





## Colony Counter

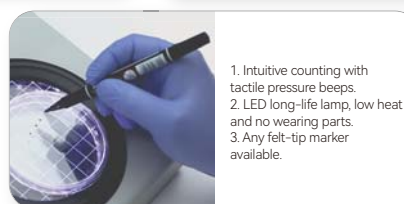
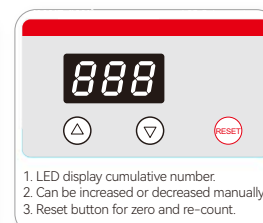
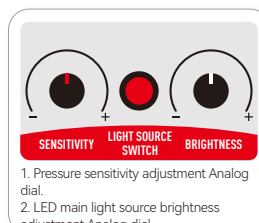
### >>> J-2S Colony Counter

#### Features:

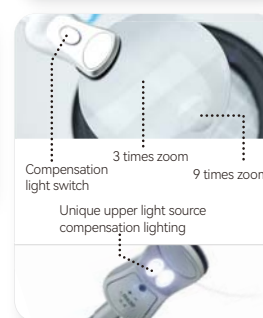
- J-2S is a high-tech colony counter, known for its user-friendly functions and excellent ergonomics. It can accurately count all the culture media (culture dishes, filters) used in microbiology.
- Place the petri dish on the pressure-sensitive glass surface, and you can use any felt-tip marker to press and count, and there will be a pleasant beep when counting, and the accumulated data will be displayed on the LED screen immediately. The touch sensitivity of the pressure sensor can be adjusted to adapt to different culture vessels and user habits. With the function of manually increasing or decreasing the counting button, the repeated counting or missing counting can be corrected during operation.
- The internal LED lighting system is glare-free and the luminosity is adjustable, which makes the colony form a sharp contrast view to adapt to the difficult-to-observe microorganisms in the culture container. The grid size is moderate, which is convenient for accurate counting by blocks.
- The large frameless magnifying glass (which can achieve magnification of 3 times or 9 times of observation and counting) and the unique upper light source compensation illumination make the microbial appear completely, and the counting operation to be much easier.



J-2S



★ Wireless counting with any marker, more flexible.



#### Technical Data:

#### J-2S

|                           |                       |                               |                   |
|---------------------------|-----------------------|-------------------------------|-------------------|
| Lighting                  | White LED array       | Magnification                 | 3 times / 9 times |
| Digital display           | 3-digit LED display   | Protection class              | IP21              |
| Counting range            | 0-999                 | Allowable relative humidity   | 80%               |
| Counting method           | Pressure sensitive    | Allowable ambient temperature | 5-50°C            |
| Applicable petri dish     | Ø50-90mm              | Dimensions                    | 255×210×160mm     |
| Input voltage (Frequency) | AC 100-240V (50-60Hz) | Loupe size                    | Ø90mm / Ø20mm     |
| Input power               | 20W                   | Net weight                    | 2.8Kg             |

### >>> J-2 & J-3 Colony Counter

#### Features:

- Compact structure makes it less space occupation. Adapted for various applications.
- The LED light can be adjusted to make an ideal perspective for the operator.
- It will beeps while counting, which can avoid wrong counting.
- Unique Up-light source makes it convenient to count bacteria that is hard to observe.
- Specified designed counting pen to ensure no omit of the cells.
- Wide voltage design avoids the impact of unstable voltage on the equipment.

#### Technical Data:

#### J-2

#### J-3

|                                  |                       |                               |
|----------------------------------|-----------------------|-------------------------------|
| Lighting:                        | White LED array       | White LED array               |
| Digital display:                 | 3-digit LED display   | 3-digit / 4-digit LED display |
| Counting range:                  | 0-999                 | 0-999 or 0-9999               |
| Counting method:                 | Tap-triggered         | Tap-triggered                 |
| Compatible petri dish:           | Ø50-90mm              | Ø50-150mm                     |
| Input voltage(frequency):        | AC 100-240V (50/60Hz) | AC 100-240V (50/60Hz)         |
| Input power:                     | 20W                   | 40W                           |
| Magnification:                   | 3 / 9 Times           | 3 / 9 Times                   |
| Protective class:                | IP21                  | IP21                          |
| Permissible relative moisture:   | 80%                   | 80%                           |
| Permissible ambient temperature: | 5-50°C                | 5-50°C                        |
| Dimensions:                      | 255×210×160mm         | 360×300×180mm                 |
| Net. Weight:                     | 2.2Kg                 | 4.0Kg                         |



J-2

J-3



## Timer & Hemocytometer

### >>> DSZ-II LCD Digital Timer

#### Features:

- 15 groups timing at the same time, 12 pieces of melody for choice.
- Any one second could be forecasted.
- Display the date and time.
- With features of memory protection after power failure.
- High definition, high brightness VALCD display.

#### Technical Data:

#### DSZ-II

|                      |                       |
|----------------------|-----------------------|
| Working Temperature: | -5°C~+50°C            |
| Relative Humidity:   | <80%                  |
| Timing group:        | 15 groups             |
| Timing range:        | 1s-100h               |
| Time Accuracy:       | Daily error <3s       |
| Voltage:             | AC 100-240V (50-60Hz) |



DSZ-II

### >>> JSQA Hemocytometer

#### Features:

○ This instrument is a microcomputer-controlled counter that integrates counting, statistics, and display functions. It features ten groups of two-digit decimal counting systems, allowing for the simultaneous display of ten sets of data along with the total count. The counting is accurate and reliable, fulfilling the manual counting needs for routine blood tests in clinical laboratories. The device boasts an aesthetically pleasing design with a logical structure. Its data is clear and easy to read, and the instrument is user-friendly. It is particularly suitable for medium and small-sized hospitals for the clinical microscopic examination and classification counting of blood cells.

#### Technical Data:

#### JSQA

|                                |                       |
|--------------------------------|-----------------------|
| Voltage:                       | AC 100-240V (50/60Hz) |
| Power rating:                  | 5W                    |
| Maximum count category:        | 10 groups             |
| Count capacity of every group: | 0-99                  |
| External Dimension:            | 220×166×78 mm         |



JSQA



## Capper and Decapper

### >>> KJMC-I Decapper for Vacuum Blood Collection Tubes

#### Features:

- It would be simpler and more convenient by using the automatic machine to reduce medical staff's labor intensity and improve the work efficiency.
- Effectively avoid being infected by skin scratch when the staff open the cap of cracked glass tube by hand.
- Due to the negative pressure inside the tube, too much force during the cap opening will cause blood spatter. The machine successfully solves the danger of cross infection and avoid the trouble of frequent hand washing.
- Radically preclude the danger of potential biological contamination caused by residual aerosol inside the tube during manual operation.
- Technicians can expect a throughput of approximately 60 tubes per minute and free their time to tackle more productive activities.

#### Technical Data:

|                     |                                           |
|---------------------|-------------------------------------------|
| Voltage:            | AC 220V±10% (50/60Hz)                     |
| Power rating:       | 45W                                       |
| Applicable cap:     | Both press-on                             |
| Speed:              | 60pcs/min                                 |
| Carousel capacity:  | 24 tubes                                  |
| Carousel sizes:     | Ø13×75mm (Included), Ø13×100mm (Included) |
|                     | Ø16×100mm (Optional)                      |
| External dimension: | 420×250×200mm                             |



KJMC-I

#### Optional Carousels:



For Ø16×100mm vacuum tube



For Ø13×100mm vacuum tube



For Ø13×75mm vacuum tube

### >>> KJMC-II Automatic Capper/Decapper

#### Features:

- The KJMC-II automatic capping and decapping machine adopts a stepper motor servo control system, capable of precisely controlling the torque and angle of rotation. Specifically designed for sampling tube capping and decapping, it is suitable for use in hospitals, disease control centers, customs, and other environments. The machine effectively reduces the risk of cross-infection among laboratory personnel, alleviates workload, and improves testing efficiency.
- Efficient and quick:** Automatically senses the presence of tubes, allowing for one-handed operation on completing the capping and decapping action in 3 seconds.
- User-friendly design:** Freely switch between automatic and manual control modes, with three selectable operating modes to accommodate various work habits and environments.
- Safety and stability:** Utilizes a 24V DC input and advanced servo control design to eliminate electric leakage or unintended shutdown caused by liquid leakage.
- Quiet and portable:** Compact dimensions of 250×140×370mm make it suitable for various types of applications.
- Wide Applicability:** Multiple clamp heads available, compatible with screw-capped tubes ranging from 12mm to 35mm in diameter.

#### Technical Data:

|                           |                                                                  |
|---------------------------|------------------------------------------------------------------|
| Input Voltage:            | AC100-240V (50/60Hz)                                             |
| Operating Mode:           | ①Continuous decapping ②Continuous capping ③Decapping and capping |
| Operation mode:           | Automatic or Manual                                              |
| Decapping speed:          | ≤ 2 seconds/pc                                                   |
| Capping speed:            | ≤ 2 seconds/pc                                                   |
| Applicable Tube Diameter: | Ø12-35mm                                                         |
| Dimensions:               | 250×140×370 mm                                                   |
| Net weight:               | 6.5kg                                                            |





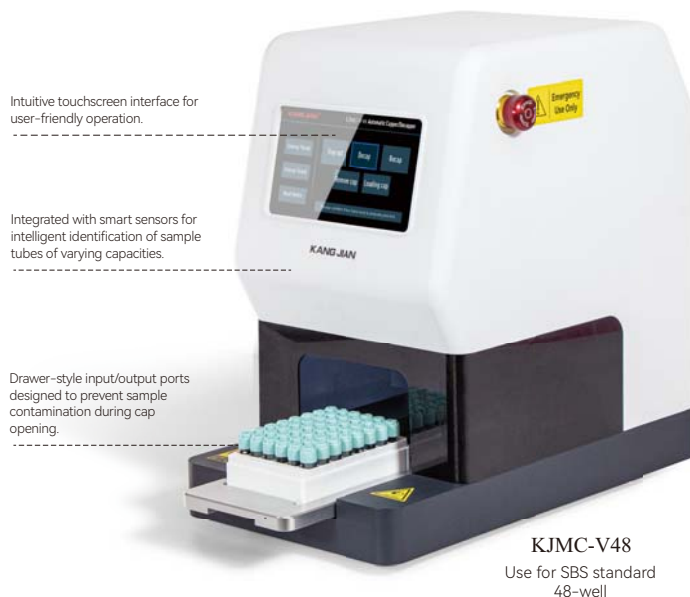
## Capper and Decapper

### >>> KJMC-V48 / KJMC-V96 Automatic Capper/Decapper

#### Overview & Features:

The KJMC-V automatic Capper/Decapper is designed for decapping and capping on full racks of SBS cryovials. It is applicable in areas such as biological research, new pharmaceuticals development, biobanking, assisted reproductive technology, conservation of flora and fauna, stem cell and regenerative medicine, and immunocellular therapy, particularly in environments where there is a substantial need for sample handling. The device incorporates advanced Internet of Things (IoT) principles, enabling connectivity with various types of automated production lines and providing remote maintenance services. It aims to offer an automated, standardized, controllable, user-friendly, and reliable operation, reducing the workload of staff, enhancing everyday work efficiency, and lowering the uncontrollable risks associated with fatigue and repetitive tasks. It is an ideal complementary product for all kinds of biological specimen banks and research institutions.

- **Efficient and Fast:** The entire process of decapping and capping takes less than 20 seconds, minimizing the risk of sample exposure and enhancing work efficiency.
- **Controllable Torque:** Uniform torque distribution settings are used, reducing the uncertainty associated with manual cap opening and closing.
- **Modular Design:** This device is adaptable to various brands of cryotubes available in the market by replacing with customized screwdriver heads.
- **Compact Size:** Suitable for multiple application scenarios.
- **Easy Operation:** Equipped with a touchscreen for control and display of the working process, making the operation more intuitive and controllable.
- **Real-Time Alarm Function:** Features data management and alarm systems to reduce sample damage due to human error.
- **Integration Capability:** Can be integrated into automated systems based on specific application needs.



#### Technical Data:

|                                         | KJMC-V48                                                         | KJMC-V96                                                         |
|-----------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Compatible Tube:                        | SBS standard 48-well cryovials                                   | SBS standard 96-well cryovials                                   |
| Decapping Time:                         | < 20s                                                            | < 20s                                                            |
| Capping Time:                           | < 20s                                                            | < 20s                                                            |
| Decapping Torque:                       | ~19 N/cm                                                         | ~9.5 N/cm                                                        |
| Capping Torque:                         | ~11 N/cm                                                         | ~5.5 N/cm                                                        |
| Operation Mode:                         | Touch control input                                              | Touch control input                                              |
| Positioning Accuracy:                   | ±0.05mm                                                          | ±0.05mm                                                          |
| Power Input:                            | 200W                                                             | 200W                                                             |
| Input Voltage:                          | AC100-240V (50/60Hz)                                             | AC100-240V (50/60Hz)                                             |
| Communication Interface:                | RS232                                                            | RS232                                                            |
| Baud Rate:                              | 115200                                                           | 115200                                                           |
| Parity:                                 | 8n1                                                              | 8n1                                                              |
| Operating Temperature:                  | 5-40°C                                                           | 5-40°C                                                           |
| Permissible Relative Humidity:          | 80%                                                              | 80%                                                              |
| Enclosure Protection Rating:            | IP30                                                             | IP30                                                             |
| Transportation and Storage Temperature: | 5-50°C                                                           | 5-50°C                                                           |
| Dimensions:                             | 400×230×380mm                                                    | 400×230×380mm                                                    |
| Net Weight:                             | 18Kg                                                             | 18.5Kg                                                           |
| Alert Functions:                        | Error alerts, operation guidance, equipment status notifications | Error alerts, operation guidance, equipment status notifications |



Drawer-style input and output ports to minimize the risk of sample contamination during the lid-opening process.



SBS standard cryovials, with quick, safe, and efficient cap operation for the entire box.



## Capper and Decapper

### >>> KJMC-III6 / KJMC-III8 Multi-channel Electric Decapper

#### Features:

- A handheld multi-channel automatic capper provides a more lightweight and convenient way to batch open screw caps on tubes. The screwdriver heads follow the SBS layout, enabling the simultaneous opening/closing of 6/8 tube caps in a single row. The capper incorporates a torque-limiting structure to ensure complete sealing of the caps while avoiding damage to the sealing rings due to excessive torque. The flexible and efficient consumable storage solution meets your needs.
- Completes the opening or closing of 6/8 tube caps within 3 seconds, enhancing efficiency.
- Prevents laboratory personnel from coming into contact with samples or reagents when opening or closing caps, reducing safety hazards associated with biochemical reagents and biological samples.
- Currently the lightest product among all handheld cap openers, avoiding fatigue from prolonged use.
- Large-sized cap release button in the center, with separate buttons for cap rotation and cap removal.
- Powered by a high-capacity lithium battery with a USB charging interface.
- The 8-channel automatic decapper is suitable for both internally and externally threaded tubes.
- The 6-channel model is designated as KJMC-III for use with 48-well SBS tube boxes, while the 8-channel model is designated as KJMC-IV for use with 96-well SBS tube boxes.



Application scenarios



KJMC-III6



KJMC-III8

#### Technical Data:

|                                  | KJMC-III6            | KJMC-III8            |
|----------------------------------|----------------------|----------------------|
| Number of Channels:              | 6 channels           | 8 channels           |
| Decapping/Capping Speed:         | 4 seconds            | 4 seconds            |
| Charging Time:                   | 90 minutes           | 90 minutes           |
| Permissible Ambient Temperature: | 2-50℃                | 2-50℃                |
| Permissible Relative Humidity:   | 80%                  | 80%                  |
| Adapter Input Power:             | AC 100-240V, 50/60Hz | AC 100-240V, 50/60Hz |
| Adapter Output Power:            | DC 3V, 0.5A          | DC 3V, 0.5A          |
| Device Input Power:              | 10W                  | 10W                  |
| Weight:                          | 380g                 | 380g                 |



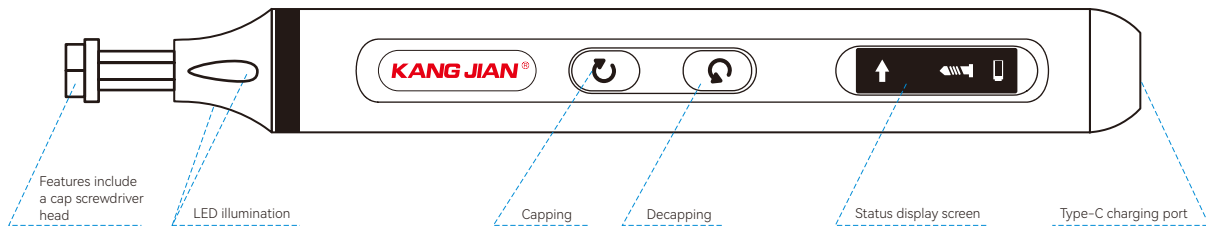


## Capper and Decapper

### >>> KJMC-VI Single Channel Electric Decapper

#### Overview:

This product is designed for use with KANGJIAN comprehensive range of SBS and 2D barcode cryovials, featuring a pen-style portable design for enhanced flexibility and convenience. It offers a customizable cap screwdriver head to accommodate various sample tubes. Suitable for a wide range of applications including biobanks, research institution labs, and inspection and quarantine facilities.



#### Features:

- **Efficient and safe:** Electric rotating cover, higher efficiency and safer pollution prevention compared to manual operation.
- **Humanized design:** Ergonomic design for long-lasting and comfortable use.
- **Wide application range:** Supporting the full range of frozen storage tubes for healthcare.
- **Safety and stability:** Unified torque to ensure the sealing performance of the cover and prevent damage to the frozen storage tube.
- **Simplicity and portability:** Simple operation, user-friendly dynamic display of power, operation actions, and rotation direction.

#### Application Scenarios:



KJMC-VI

#### Technical Data:

##### KJMC-VI

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Material:                  | Aluminum alloy                                             |
| Screwdriver head material: | Cr12 (Nickelate)                                           |
| Non-load speed:            | 170rpm                                                     |
| Actual torque:             | 3.5 N · M                                                  |
| Electric torque:           | 0.3 N · M                                                  |
| Battery specification:     | 350mAh Lithium battery                                     |
| Rated voltage:             | DC3.7V                                                     |
| Charging parameters:       | 5V 2A (USB Type-C)                                         |
| Charging time:             | 60 minutes                                                 |
| Battery life:              | Standby for 90 days / Continuous operation for 180 minutes |
| Size and weight:           | Ø17×134.5mm, 52g                                           |

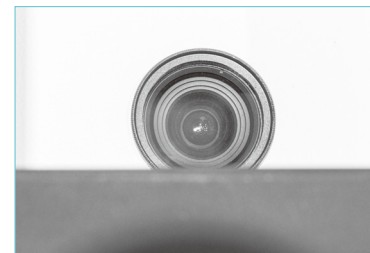


## Barcode Reader

### >>> KJSC-I Barcode Reader

#### Product Introduction:

- Broad applicability for centralized scanning and recognition of 2D barcodes on 48, 96, 196-well SBS and 100-well standard cryo boxes.
- High efficiency with full-box scan time within 2 seconds.
- Superior recognition capability, easily identifying blurred barcodes on tube bottoms.
- Elevated camera positioning reduces error rates in recognizing frosted cryo tubes..
- Compact design suitable for a variety of application scenarios.
- Fast data transfer with USB 3.0, minimizing delays.
- Expandable interfaces, with options to add side barcode scanners or cameras.
- Minimum operating temperature of -20 °C, thus ensuring reliable identification quality..
- User-friendly software for marking issues like missing, duplicate, or barcodes reading failure.
- SDK software package interface for easy integration with various system software.



High-definition industrial camera lens, ensuring high recognition accuracy.



Cryobox side code recognition module, allowing flexible scanning from all four sides.



High-speed USB 3.0 data transmission interface, enabling seamless integration with biological sample management systems and automated specimen processing systems.



(Excluding computer)

KJSC-I

#### Technical Data:

#### KJSC-I

|                            |                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------|
| Reading Rate:              | < 2 seconds                                                                                           |
| Framing Mode:              | Industrial camera                                                                                     |
| Resolution:                | 5MP                                                                                                   |
| Applicable Specifications: | 48/96/100/196-well cryobox                                                                            |
| Interface Type:            | USB 3.0                                                                                               |
| Data Storage Type:         | Formats such as JPG, TXT, EXCEL, CSV etc.                                                             |
| Supported QR code Types:   | Data Matrix ECC200, GS1 Aztec Code, GS1 DataMatrix, GS1 QR Code, Micro QR Code, PDF417, QR Code, etc. |
| Dimensions:                | 232×185×187 mm                                                                                        |
| Weight:                    | 6Kg                                                                                                   |



## Barcode Reader

### >>> KJSC-D Barcode Reader

#### Product Introduction:

- Wide application range, suitable for recognizing 2D Barcodes on the tops of various test tubes.
- High recognition efficiency, with a full box recognition time of less than 2 seconds.
- Outstanding recognition performance, capable of easily recognizing blurry QR codes.
- High-position camera viewing structure, effectively reducing recognition errors after test tubes frost.
- Compact body structure, suitable for various application scenarios.
- High-speed USB 3.0 interface for data transmission, avoiding data reception delays.
- Allows operating environment temperature as low as -20°C, ensuring sample quality during recognition.
- ser-friendly software settings, with markers for missing, duplicated, or failed code readings.
- TCP/IP software interface, convenient for integration with various system software.



KJSC-D

#### Technical Data:

#### KJSC-D

|                            |                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------|
| Reading Rate:              | < 2 seconds                                                                                           |
| Framing Mode:              | Industrial camera                                                                                     |
| Resolution:                | 20 MP                                                                                                 |
| Applicable Specifications: | Tubes with 2D Barcodes on the top                                                                     |
| Interface Type:            | USB 3.0                                                                                               |
| Data Storage Type:         | Formats such as JPG, TXT, EXCEL, CSV etc.                                                             |
| Supported QR code Types:   | Data Matrix ECC200, GS1 Aztec Code, GS1 DataMatrix, GS1 QR Code, Micro QR Code, PDF417, QR Code, etc. |
| Dimensions:                | 385×295×390 mm                                                                                        |
| Weight:                    | 6.5Kg                                                                                                 |



# Cell Thawing System

## >>> KJCT-I2 / KJCT-I8 Dry Cell Thawing System

### Product Overview:

The Cell Thawing system provides automated, controllable, and standardized thawing treatment for cell samples in cryogenic tubes. Utilizing dry heat technology and multiple sensors to determine the revival endpoint, this device eliminates the uncertainties associated with non-controlled systems and manual operations. Integrated with dedicated control software, it can provide complete batch electronic records, making it suitable for fields such as biological research, new drug development, biobanks, assisted reproduction, conservation of animal and plant species, stem cell and regenerative medicine, and immunocyte therapy.

### Performance Features:

- ◆ Dry revival effectively avoids cross-contamination associated with water bath revival.
- ◆ Automatic control of revival temperature and time, reducing variability from manual operations.
- ◆ Compact size, suitable for various application scenarios.
- ◆ Magnetic suction lid with a built-in disinfection function, making cleaning more convenient.
- ◆ TFT LCD dynamic display of the revival process, making the process more intuitive and controllable.
- ◆ Real-time alarm function, reducing cell viability impact due to human error through data control and alarms.
- ◆ Energy-efficient, with a working power of less than 40W per channel, and capable of selective control of each channel's working status based on experimental needs.
- ◆ Data export capability, allowing for electronic batch record formation.
- ◆ Can be integrated into automated cell culture equipment according to specific application requirements.

KJCT-I2



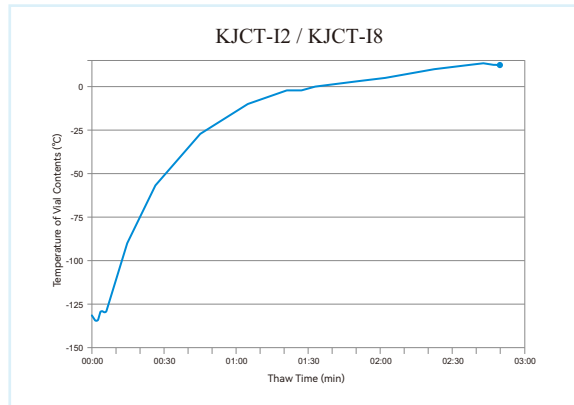
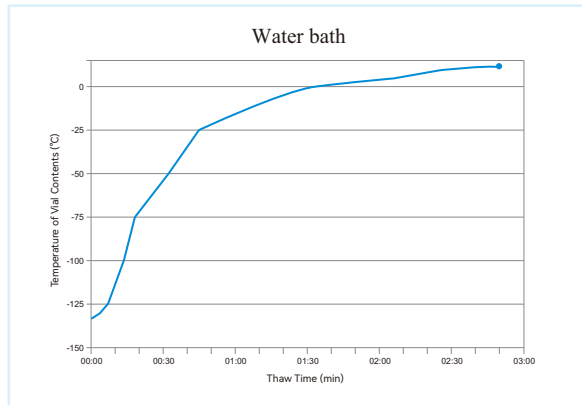
KJCT-I8



### Basic Operation Process:



### Thawing Effect Comparison:



### Technical Data:

#### KJCT-I2 / KJCT-I8

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Throughput:                        | 2 PCS / 8 PCS                         |
| Thawing Time:                      | < 3min (According to sample capacity) |
| Thawing Temperature:               | < -70°C                               |
| Temperature Display Accuracy:      | 0.1°C                                 |
| Temperature Resolution:            | 0.5°C                                 |
| Allowable Start Temperature:       | 0°C                                   |
| Applicable Tubes:                  | 2mL SBS Cryostorage tube              |
| Time Display:                      | TFT LCD                               |
| Temperature Display:               | TFT LCD                               |
| Tube Temperature Detection Method: | Thermopile (Thermal Infrared Sensor)  |
| Heating Module Detection Method:   | NTC Thermistor                        |

### Technical Data:

#### KJCT-I2 / KJCT-I8

|                                |                                                                       |
|--------------------------------|-----------------------------------------------------------------------|
| End Temperature:               | 15°C (Tube temperature) (The value can be defined by user)            |
| Input Power:                   | 200W (2-CH) / 500W (8-CH)                                             |
| Heating Method:                | PI Heating Film                                                       |
| Single Channel Heating Power:  | 40W                                                                   |
| Input Voltage:                 | AC100-240V(50/60Hz)                                                   |
| Allowable Relative Humidity:   | 80%                                                                   |
| Enclosure Protection Rating:   | IP43                                                                  |
| Allowable Ambient Temperature: | 5-50°C                                                                |
| Dimensions:                    | 205×200×151mm / 350×278×170mm                                         |
| Net weight:                    | 2.9 Kg (2-CH) / 8.5Kg (8-CH)                                          |
| Alert Function:                | Alerts for Preheating, Thawing, Incorrect Operation, Equipment Status |



## Blood Tube Sealing Machine

### KJMC-VII Automatic Blood Tube Sealing Machine



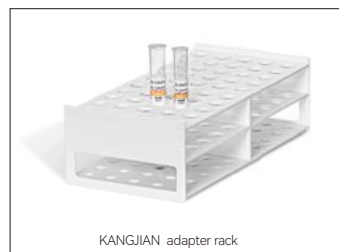
#### Features:

The automatic blood collection tube sealing machine is designed for sealing PET vacuum blood collection tubes, and is suitable for sealed storage of tested blood samples in hospitals at all levels.

Adopting an advanced IoT-oriented design concept, the equipment can be interconnected with various automated assembly lines and supports remote maintenance services. It aims to deliver an automated, standardized, controllable, user-friendly and reliable operating process, reduce the workload of medical and technical personnel, improve daily work efficiency, and minimize uncontrollable risks caused by fatiguing repetitive operations. It is an ideal supporting product for clinical laboratories.

- **Efficient and time-saving:** One-key operation enables simultaneous sealing of up to 50 tubes in less than 35 seconds, significantly enhancing workflow efficiency.
- **Intelligent design:** Automatically identifies tube height with no manual adjustment required.
- **Reliable sealing performance:** Ensures excellent airtightness while maintaining easy-tear functionality, meeting requirements for both frozen and refrigerated sample storage.
- **Broad compatibility:** Compatible with tube racks used in various mainstream automated lines on the market.
- **Compact structure:** Suitable for diverse application scenarios and optimizes laboratory space utilization.
- **Safe and contamination-proof:** Equipped with a built-in air filter to prevent aerosol cross-contamination.
- **User-friendly operation:** Equipped with a touchscreen control panel for real-time status display, enabling intuitive and precise process control.
- **Real-time alarm system:** Reduces risks of sample damage due to human error through data monitoring and automated alerts.
- **Flexible integration:** Can be seamlessly integrated into automated laboratory pipelines based on actual application requirements.

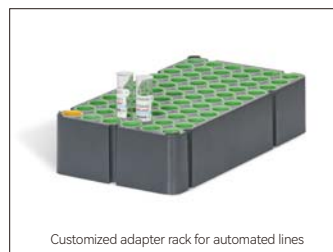
#### Adapter Rack:



KANGJIAN adapter rack



Mindray automated line adapter rack



Customized adapter rack for automated lines

#### Technical Data:

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Tube Diameter         | 12-13 mm                                              |
| Tube Height           | 60-120 mm                                             |
| Tube Material         | PET                                                   |
| Sealing Quantity      | 50 PCS (Customizable rack)                            |
| Sealing Time          | ~35 s                                                 |
| Preheating Time       | ~9 min (0-170°C)                                      |
| Operation Mode        | Touch control                                         |
| Prompt Function       | Error prompts, operation prompts, film status prompts |
| Input Voltage / Power | AC 100-240 V (50/60 Hz), 600 W                        |

|                                        |               |
|----------------------------------------|---------------|
| Communication Interface                | RS232         |
| Baud Rate                              | 485           |
| Parity Bit                             | 8n1           |
| Operating Ambient Temperature          | 5-40°C        |
| Allowable Relative Humidity            | 80%           |
| Housing Protection Class               | IP30          |
| Transportation and Storage Temperature | 5-50°C        |
| Overall Dimensions                     | 300×500×470mm |
| Net Weight                             | ~28Kg         |





## Laser Marking Machine

### KJLS-II Intelligent Laser Marker

#### Features:

KJLS-II Intelligent Laser Marking Machine is mainly used for marking specific information on various sample containers in laboratories. As an ideal alternative to traditional label paper marking, it incurs no additional consumable costs during daily operation. It can effectively prevent issues such as unrecognizability caused by label falling off, contamination or tampering. The machine is suitable for various laboratories, sample banks, research institutions and universities.

- **Wide Compatibility:** Capable of laser marking on various specifications of centrifuge tubes, cryogenic vials, sample cups, embedding cassettes, glass slides, etc.
- **Easy Operation:** Equipped with a 10.1-inch capacitive touch screen for convenient one-key operation. A wireless mouse and keyboard are included for users preferring traditional input methods.
- **Low Operating Cost:** Laser marking requires no ribbons, inks or toners.
- **High Recognition Rate:** Eliminates unrecognizable conditions caused by label contamination, poor water resistance, peeling at low temperatures and other risks.
- **High Efficiency:** Marking of a single sample can be completed in as fast as 1 second.
- **Reduced Error Rate:** Marking information can be automatically imported by the system, minimizing errors from manual data entry.
- **Open Interface:** Compatible with a variety of laboratory information management systems and biobank management systems.



#### Technical Data:

#### KJLS-II

|                              |                                                                                                                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Marking Area         | 175 × 175 mm                                                                                                                                                                                                                                      |
| Minimum Marking Area         | Ø 5 mm                                                                                                                                                                                                                                            |
| Marking Accuracy             | 0.05 mm                                                                                                                                                                                                                                           |
| Marking Speed                | 6000 mm/s                                                                                                                                                                                                                                         |
| Design Life                  | > 20000 h                                                                                                                                                                                                                                         |
| Supported Marking Containers | Centrifuge tubes, embedding cassettes, cryogenic vials, etc. (with corresponding matching adapter racks)                                                                                                                                          |
| Supported Marking Materials  | Various plastic materials such as POM, PP, PS, TPE, ABS, HDPE, etc.                                                                                                                                                                               |
| Supported Marking Content    | QR codes, barcodes, images, numbers, letters, Chinese characters                                                                                                                                                                                  |
| Laser                        | 355 nm UV laser, 2 W air-cooled integrated solid-state laser                                                                                                                                                                                      |
| Industrial PC                | 10.1-inch capacitive touch screen, i5 10th generation or above processor, 16 GB RAM, 256 GB SSD                                                                                                                                                   |
| Camera Resolution            | 20 megapixels                                                                                                                                                                                                                                     |
| Data Input                   | EXCEL file import, JPG image import, manual input                                                                                                                                                                                                 |
| Data Output                  | Log export                                                                                                                                                                                                                                        |
| External Interface           | Provides SDK interface for docking with various laboratory management systems                                                                                                                                                                     |
| Interface Content            | Adapter verification, marking content data interaction, marking result feedback, equipment status feedback                                                                                                                                        |
| Special Functions            | Automatic identification of container adapter racks, automatic matching of marking parameters (data maintenance required on the background interface), automatic verification of marking content, automatic NG marking for marking content errors |
| Operating Environment        | Temperature 15–35°C, Humidity < 90%RH                                                                                                                                                                                                             |
| Power Input                  | AC 220 V ±10% (50/60 Hz)                                                                                                                                                                                                                          |
| Dimensions                   | 560 × 360 × 680 mm, 42 kg                                                                                                                                                                                                                         |

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