

SPECIMEN SWAB



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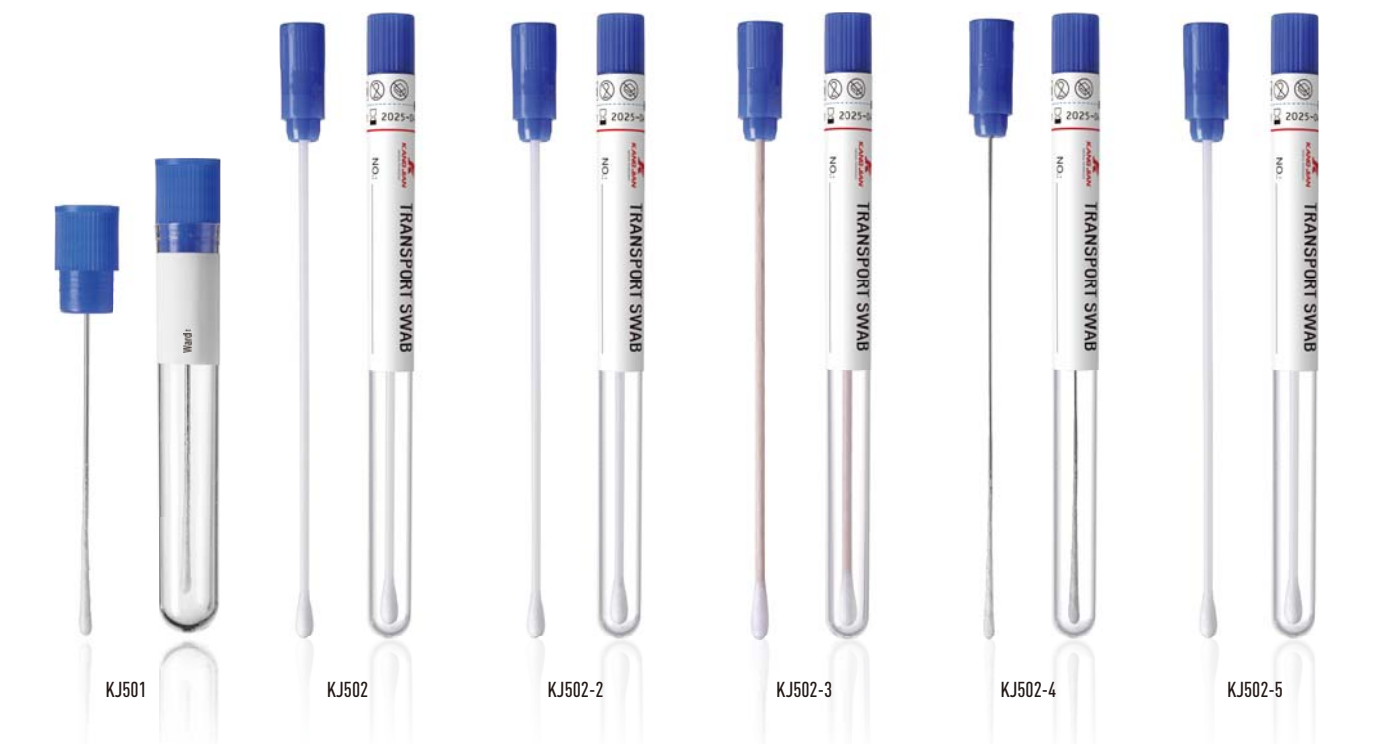
Transport Swab

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



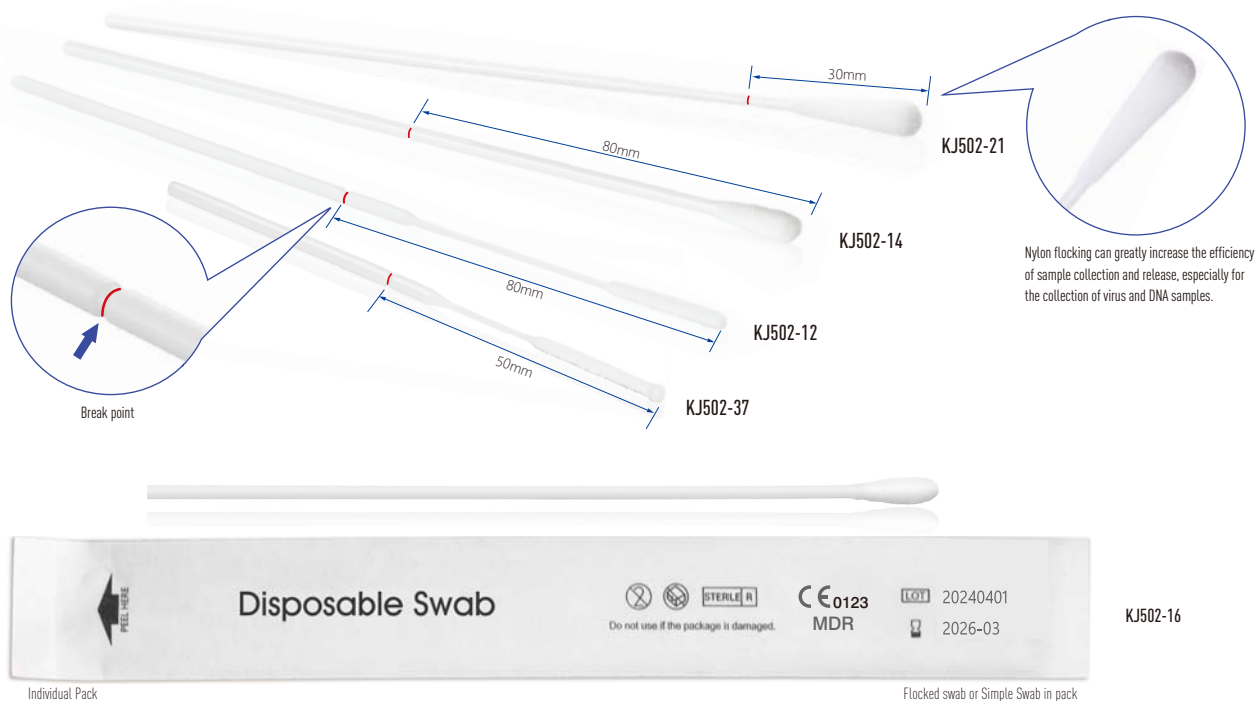
REF	MAT	* Ø13x178mm	Individual Pack	800	Medium: Amies, Individual Pack, STERILE R	Original REF.
KJ502-7	Stick:PS / PP Tip:Cotton / Polyester / Rayon	Ø13x178mm	Individual Pack	800	Medium: Amies, Individual Pack, STERILE R	154-1001
KJ502-6	Stick:PS / PP Tip:Cotton / Polyester / Rayon	Ø13x178mm	Individual Pack	800	Medium: Amies with Charcoal, Individual Pack, STERILE R	154-1101
KJ502-8	Stick:PS / PP Tip:Cotton / Polyester / Rayon	Ø13x178mm	Individual Pack	800	Medium: Stuart, Individual Pack, STERILE R	154-2001
KJ502-9	Stick:PS / PP Tip:Cotton / Polyester / Rayon	Ø13x178mm	Individual Pack	800	Medium: Stuart with Charcoal, Individual Pack, STERILE R	154-2101
KJ502-10	Stick:PS / PP Tip:Cotton / Polyester / Rayon	Ø13x178mm	Individual Pack	800	Medium: Cary-Blair, Individual Pack, STERILE R	154-3001
KJ502-11	Stick:PS / PP Tip:Cotton / Polyester / Rayon	Ø13x178mm	Individual Pack	800	Medium: Cary-Blair with Charcoal, Individual Pack, STERILE R	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 Tip: Nylon Flocked		500	5000	Individual Pack	155-4406
KJ502-37		90mm	500	5000	Individual Pack	155-4407
KJ502-16	Stick: PS / PP / Wood Tip: Cotton / Polyester / Rayon		500	5000	Individual Pack	155-2301
			Customized	Customized	Bulk Pack, STERILE EO or STERILE R	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).

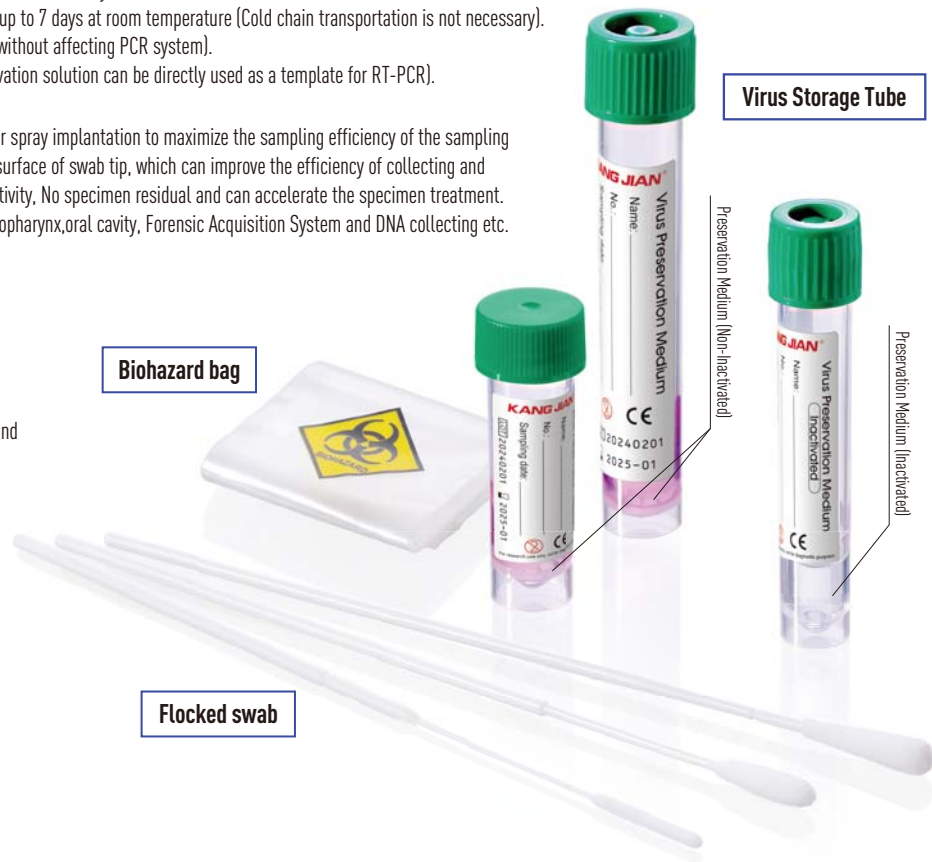
2. Flocked swab

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.

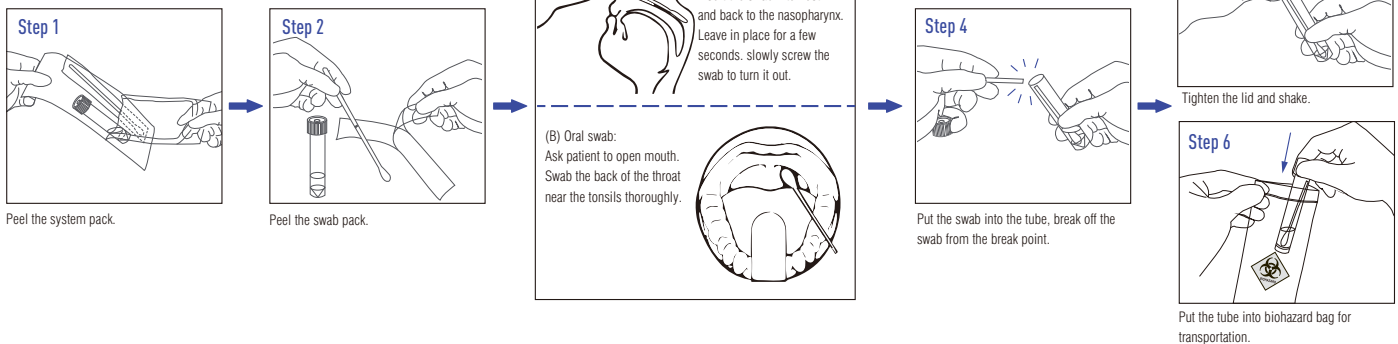
- ◆ Higher sampling rate.
- ◆ Faster and complete release of samples.
- ◆ Enhance the sensitivity of diagnosis.
- ◆ Easy breakpoint design.

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 Stick: ABS Tip: Nylon Flocked	KJ502-21 KJ502-14 KJ502-12	Options: Inactivated, non-inactivated, 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.

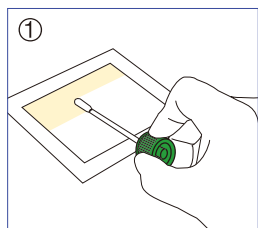


REF					STERILE			Original REF.
KJ502-35	10mL	Ø16×100mm	Tube:PP Swab head: Polyester sponge	3.5mL, 0.85% saline (with neutralizer)	STERILE R	50 PCS	500 PCS/BOX	158-1001

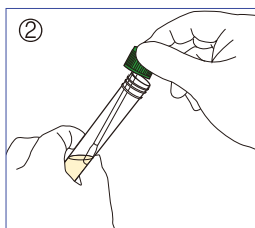
*Typical dimensions for reference only. Actual product may vary.

How to use:

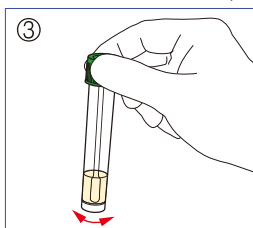
Notes on use: The tubes are recommended to be delivered to the laboratory for testing within 2 hours after sampling, allowing for transportation at room temperature 4-26°C. If more than 2 hours, they should be shipped at 2-8°C and tested within 24 hours. Positive rates will be reduced when samples tested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



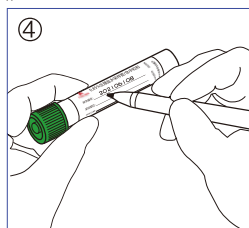
Select a certain size area to be examined, open the screw cap, and sample by placing the sponge swab at 30° to the surface, and cross-smear the swab for twice.



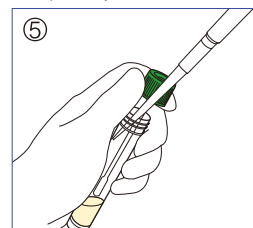
Place the swab back into the tube and screw the cap on tightly.



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

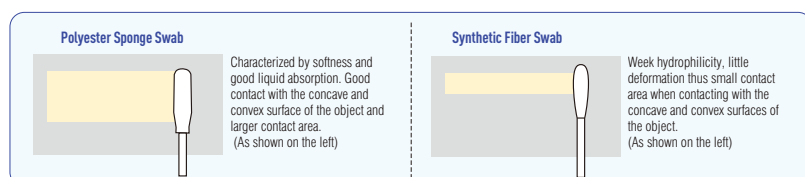


Mark the sampling information on the tube label, including: sampling number, sampling area, sampling site, sampling date, etc.

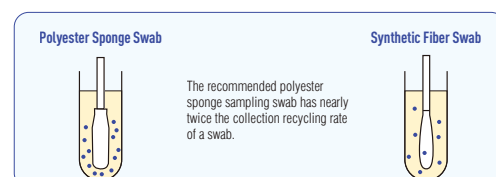


Take 1mL of sample solution for colony culture, or an appropriate amount of sample solution for viral RNA detection.

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 10⁻⁶.



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 Tip: Polyester or nylon flocked	20	200	159-1001

*Typical dimensions for reference only. Actual product may vary

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

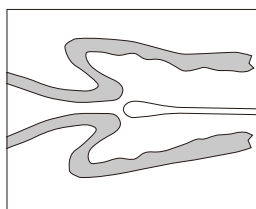
◆ Packaged in internationally common paper-plastic or blister packaging, sterilized by irradiation with a sterility assurance level (SAL) of 10^{-6} .



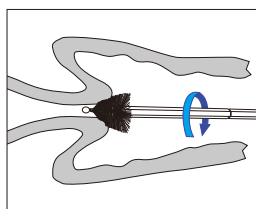
Individual Pack

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

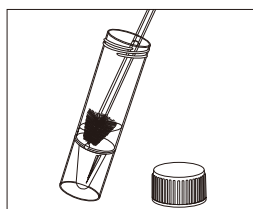
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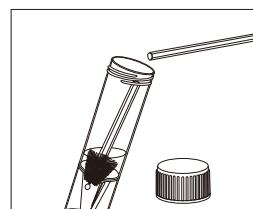
① Prior to use, gently wipe excess secretions from the cervix os using a cotton swab.



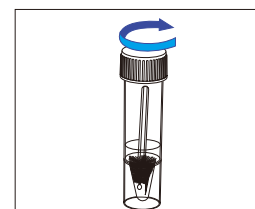
② Insert the cervical sampling brush into the cervix os at the squamocolumnar junction, and rotate 3-5 revolutions clockwise or counterclockwise.



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.