

BIOBANK CRYO VIAL

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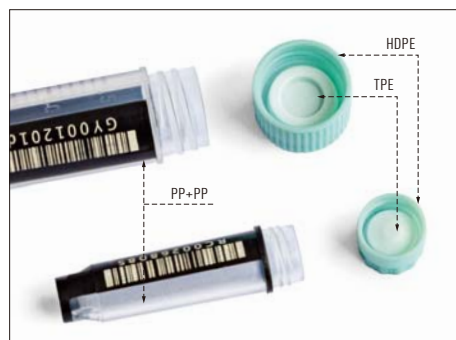




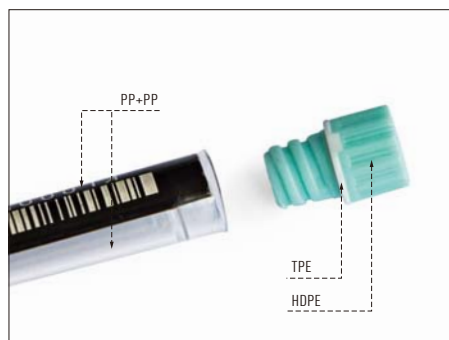
SBS Standard Cryostorage Vial

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.

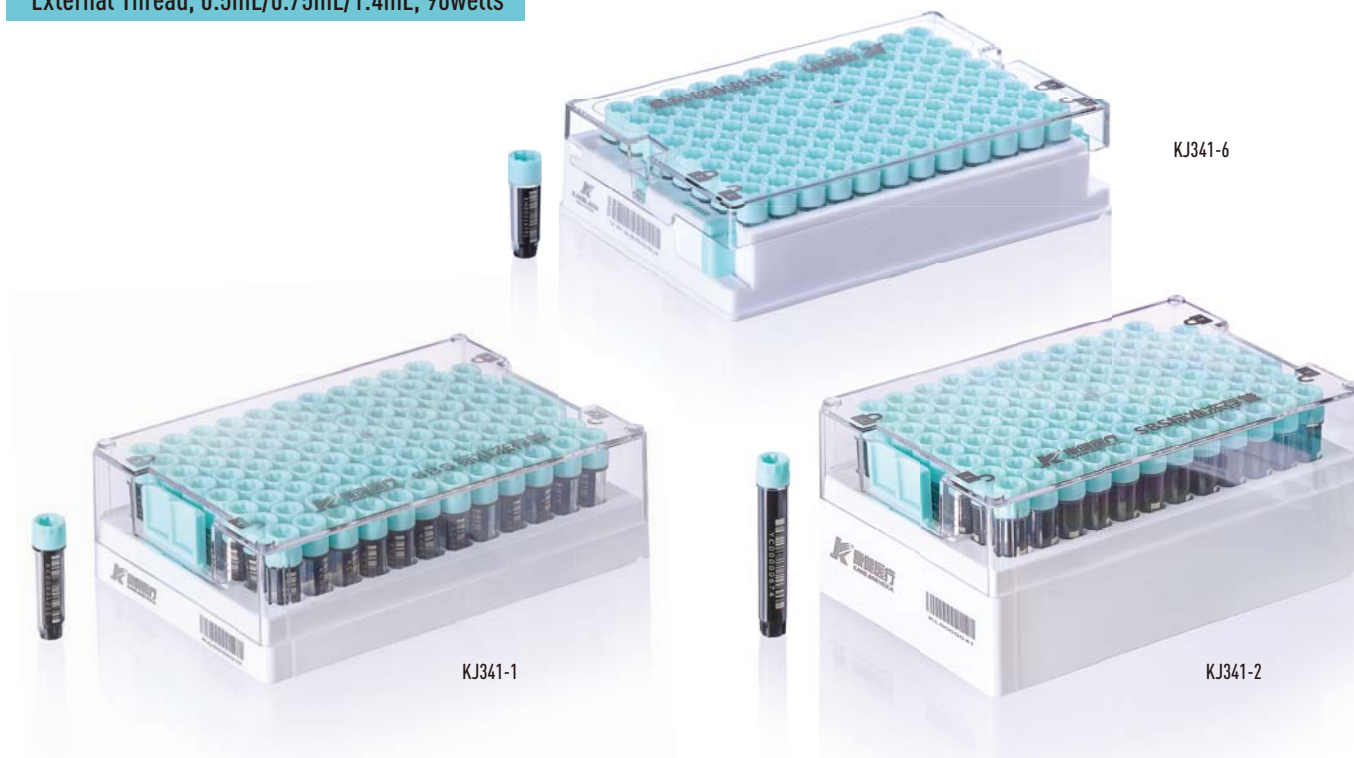
Sterile Product

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 Tube body: PP+PP, Double-shot molding Tube lid: HDPE+TPE, Double-shot molding	-196~+121°C	Tube: Ø8.9×29mm Box: 127×85×32mm	96	48		105-0505
KJ341-1	0.75mL				Tube: Ø8.9×34mm 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 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



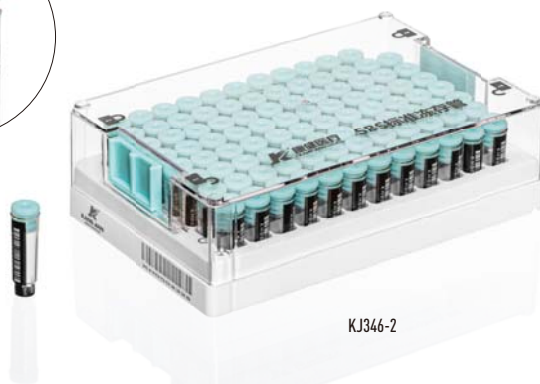
REF									Original REF.
KJ341-3	0.5mL	Internal Thread	Box body: PP Box lid: PC Tube body: PP+PP, Double-shot molding Tube lid: PP+TPE, Double-shot molding	-196~+121°C	Tube: Ø8.9×34mm Box: 127×85×38mm	96	48		105-0503
KJ341-4	1.0mL				Tube: Ø8.9×52mm Box: 127×85×56.4mm	96	36	The cryostorage vials are 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 Box: 127×85×33.3mm	96	48	105-0506
KJ346-3	1.0mL	Flat-lid	Tube body: PP+PP, Double-shot molding Tube lid: PP+Silicone O-ring	-196~+121°C		Tube: Ø8.8×47mm 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 Tube body: PP+PP, Double-shot molding Tube lid: TPE+HDPE, Double-shot molding	-196~+121°C		Tube: Ø13×31.5mm Box: 127×85×38mm	48	48	105-1005
KJ342-4	1mL	External Thread	Box body: PP Box lid: PC Tube body: PP+PP, Double-shot molding Tube lid: HDPE			Tube: Ø13×20mm Box: 127×85×24.5mm	48	48	105-1006

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



SBS Standard Cryostorage Vial

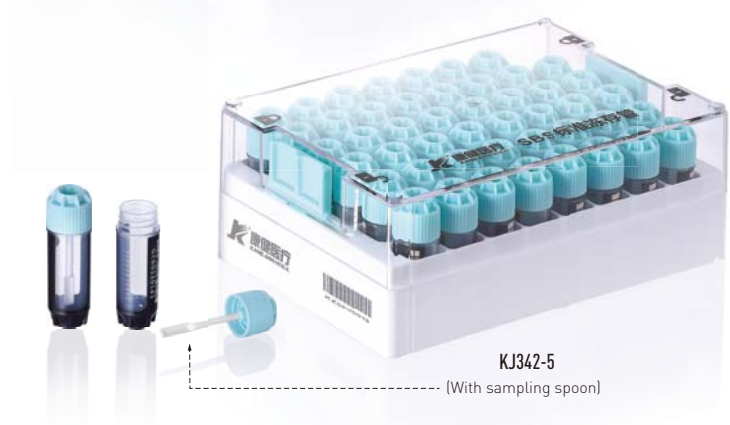
External Thread, 2mL/5mL, 48wells



KJ342-3



KJ342-2



KJ342-5

(With sampling spoon)

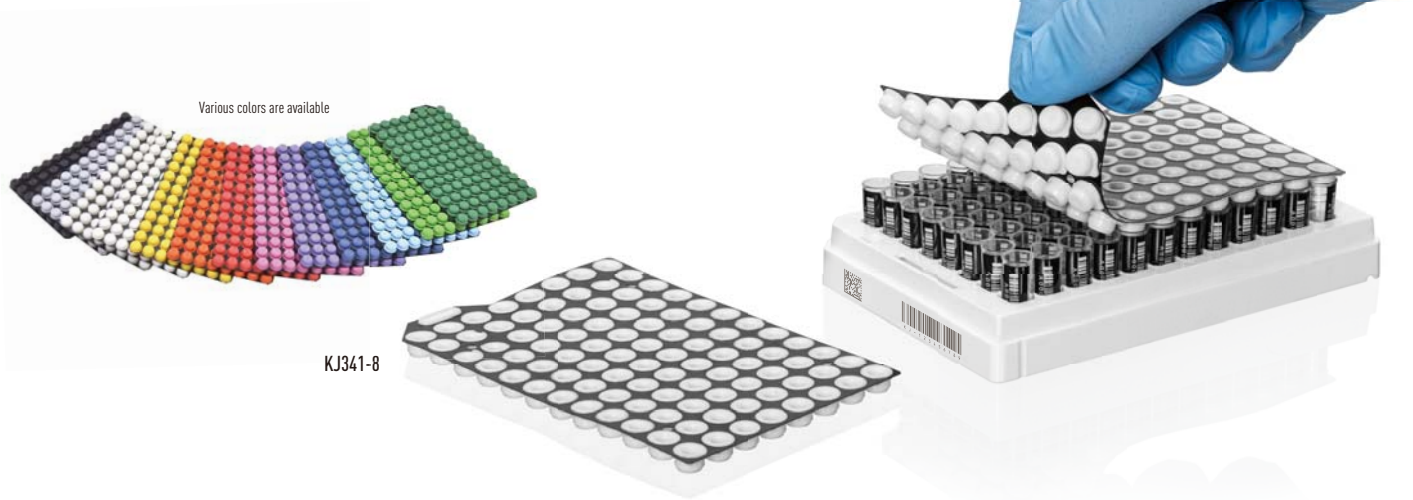
REF									Original REF.
KJ342-3	5mL	External Thread	Box body: PP Box lid: PC	-196~+121°C	Tube: Ø13×80mm Box: 127×85×85mm	48	24	The cryostorage vials are suggested to be stored only in the gas phase of liquid nitrogen	105-5001
KJ342-2	2mL		Tube body: PP+PP, Double-shot molding Tube lid: TPE+HDPE, Double-shot molding		Tube: Ø13×43mm Box: 127×85×50mm	48	36		105-2001
KJ342-5	2mL	With sampling spoon			Tube: Ø13×43mm 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 10⁻⁶.



REF	MAT				
KJ341-8	TPE (Thermoplastic Elastomer)	114×72mm	-80~+100℃ (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 Tube body: PP+PP, Double-shot molding Tube lid: TPE+HDPE, Double-shot molding	Tube: Ø13×80mm 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 Box: 133×133×47.4mm	-196~+121°C	100	1200		104-2001
KJ343-3	1mL		Tube: Ø13×31.5mm 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 (External Thread)	Box: PC Tube body: PP+PP, Double-shot molding Tube lid: TPE+HDPE, Double-shot molding	Tube: Ø8.9×34mm 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 (Internal Thread)		Tube: Ø8.9×34mm 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.



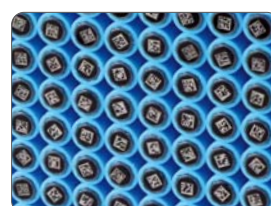
Laser etched 2D barcode on the bottom.



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 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: Box cover: PC 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: PP+TPE Double-shot injection Tube: 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°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.



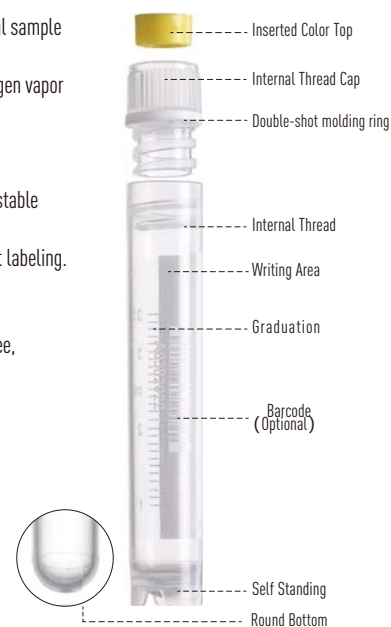
Bar code + digital code, convenient for sample management.



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	* [Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	Original REF.
KJ335-6	Cap: PP+TPE Double-shot injection Tube: 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[®] 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

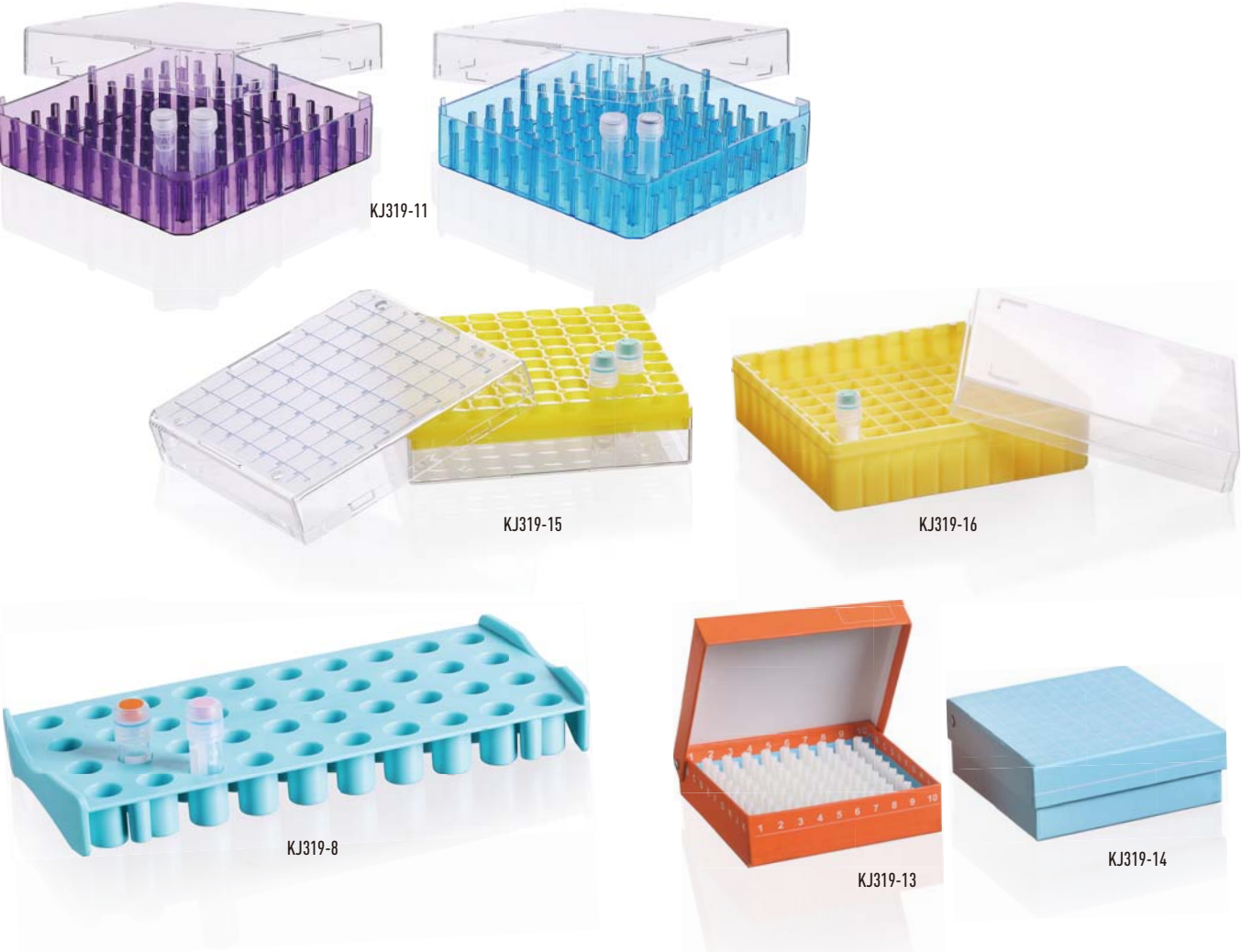
REF	MAT	*					Original REF.
KJ320-3	Cap: PP+TPE (Double-shot injection) Tube: PP	Ø13×46.5mm	0.5mL	-86~+121°C	500	5000	101-0501
KJ320-8		Ø13×46.5mm	1.5mL	-86~+121°C	500	5000	101-1501
KJ320-1		Ø13×46.5mm	1.5mL	-86~+121°C	500	5000	101-1502
KJ320-9		Ø13×46.5mm	2.0mL	-86~+121°C	500	5000	101-2001
KJ320-2		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.



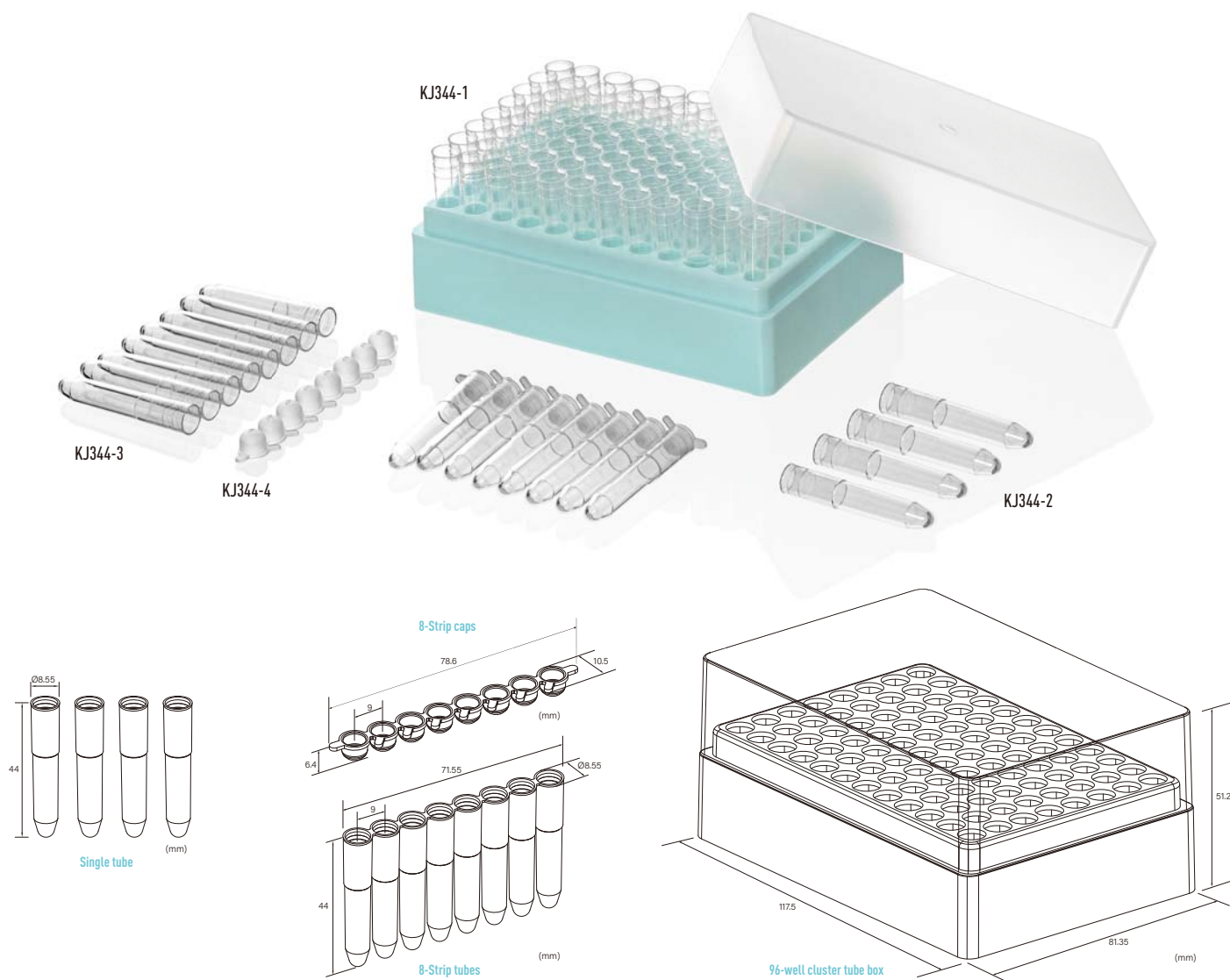
REF	MAT	*						Original REF.
KJ319-11	PC	133×133×53mm	100wells	-196~+121°C	1	50	Transparent purple or blue	106-0001
KJ319-15	PC	133×133×53mm	81wells	-196~+121°C	1	50		106-0002
KJ319-16	PP	151×151×56.5mm	100wells	-196~+121°C	1	50		106-0003
KJ319-8	ABS	216×100×26mm	40wells	-80~+121°C	1	50	White or light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