

03

SWAB

© Transport Swab	REF: 151 / 152	26
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© Surface Microbiology Sampling Tube	REF: 158	30
© ATP Detection Swab	REF: 159	31
© Cervix Sampler & Cervix Sampling Set	REF: 157 / 158	32



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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		

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.
- ◆ 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.
- ◆ Adapted to sampling from the parts of urethra and so on.
- ◆ Individual or bulk pack available.



REF	Original REF.	MAT	mm				
151-5201	KJ501	Stick: Stainless Steel Tip: Rayon	Ø12×88mm	100	2000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-2201		Stick: PS, Tip: Rayon		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-2202	KJ502		Ø13×178mm	100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-3201		Stick: PP, Tip: Rayon		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-3202				100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-2301		Stick: PS, Tip: Polyester		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-2302	KJ502-2		Ø13×178mm	100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-3301		Stick: PP, Tip: Polyester		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-3302				100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-1101		Stick: Wood, Tip: Cotton		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-1102	KJ502-3		Ø13×178mm	100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-1201		Stick: Wood, Tip: Rayon		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-1202				100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-5201	KJ502-4	Stick: Stainless Steel Tip: Rayon	Ø13×178mm	100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-5202				100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-2101		Stick: PS, Tip: Cotton		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-2102	KJ502-5		Ø13×178mm	100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-3101		Stick: PP, Tip: Cotton		100	1000	Individual Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	
152-3102				100	2000	Bulk Pack, <input type="checkbox"/> STERILE EO or <input type="checkbox"/> STERILE R	

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

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.
- ◆ Irradiation sterilization, individual or bulk pack for various options.



REF	Original REF.	MAT	mm			
155-4404	KJ502-21			500	5000	
155-4402	KJ502-14			500	5000	
155-4401	KJ502-17	Stick: ABS Tip: Nylon Flocked	150mm	500	5000	Individual Pack STERILE R
155-4405	KJ502-28			500	5000	
155-4406	KJ502-12			500	5000	
155-2301	KJ502-16	Stick: PS / PP / Wood Tip: Cotton / Polyester / Rayon	150mm	500	5000	Individual Pack STERILE R
155-2302					Customized	Bulk Pack, STERILE EO or STERILE R

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 formulation 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).

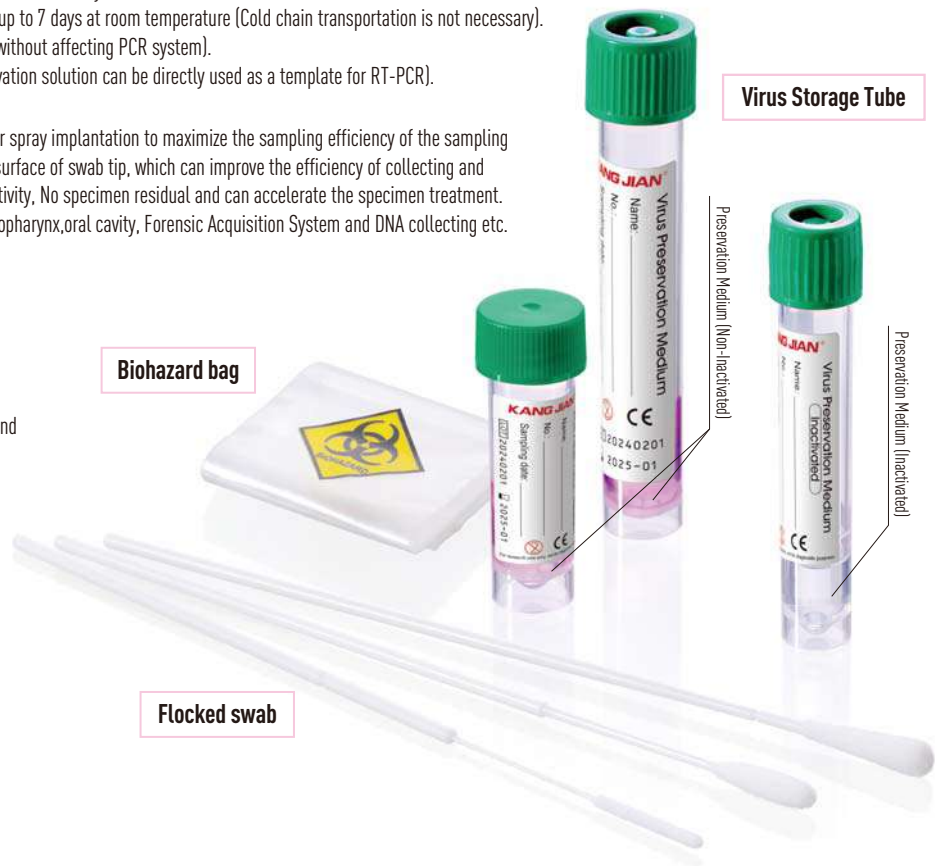
2. Flocked swab

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.

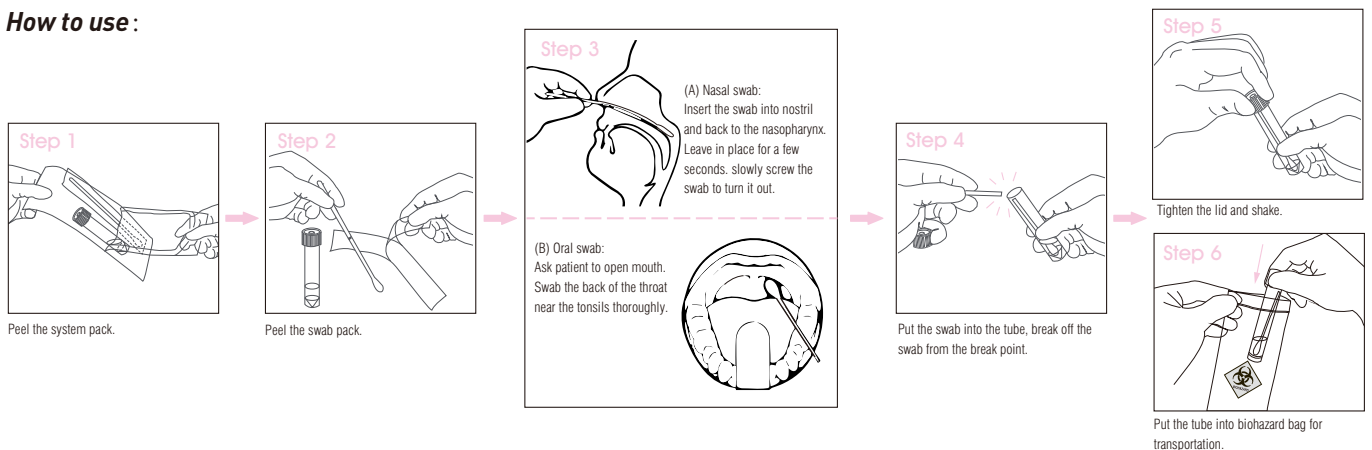
- ◆ Higher sampling rate.
- ◆ Faster and complete release of samples.
- ◆ Enhance the sensitivity of diagnosis.
- ◆ Easy breakpoint design.

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
156-050	5mL	Tube: PP Stick: ABS Tip: Nylon Flocked	Customized: KJ502-21 KJ502-14 KJ502-12	1mL-3mL Options: Inactivated, non-inactivated, w/ guanidine salt or w/o guanidine salt	Sampling tubes, Preservation medium, swab specifications and quantities can all be flexibly combined and customized.
156-070	7mL				
156-100	10mL				

Surface Microbiology Sampling Tube

- ◆ **MINIPLAST** 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°C~+121°C. The safety anti-leakage cap matches tightly with the tube, and guarantees leak-proof.

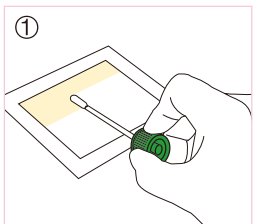


Polyester sponge swab head
Higher collection efficiency and
release rates.

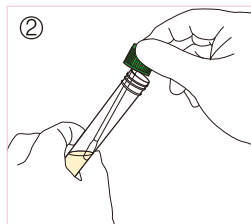
REF					STERILE		
158-1001	10mL	Ø16×100mm	Tube:PP Swab head: Polyester sponge	3.5mL, 0.85% saline (with neutralizer)	STERILE R	50 PCS	500 PCS/BOX

How to use :

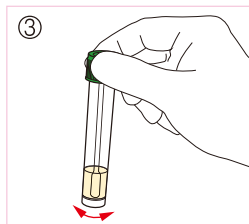
Notes on use: The tubes are recommended to be delivered to the laboratory for testing within 2 hours after sampling, allowing for transportation at room temperature 4-26°C. If more than 2 hours, they should be shipped at 2-8°C and tested within 24 hours. Positive rates will be reduced when samples tested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



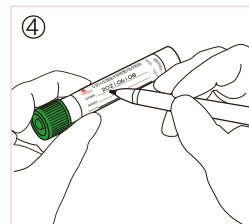
① Select a certain size area to be examined, open the screw cap, and sample by placing the sponge swab at 30° to the surface, and cross-smear the swab for twice.



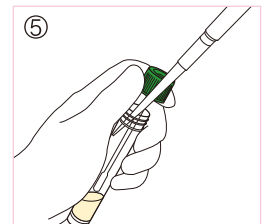
② Place the swab back into the tube and screw the cap on tightly.



③ Multiple shaking and mixing to fully elute the collected microorganisms into saline containing neutralizing agent.



④ Mark the sampling information on the tube label, including: sampling number, sampling area, sampling site, sampling date, etc.



⑤ Take 1mL of sample solution for colony culture, or an appropriate amount of sample solution for viral RNA detection.

Swab collection efficiency comparison:

<p>Polyester Sponge Swab</p> <p>Characterized by softness and good liquid absorption. Good contact with the concave and convex surface of the object and larger contact area. (As shown on the left)</p>	<p>Synthetic Fiber Swab</p> <p>Weak hydrophilicity, little deformation thus small contact area when contacting with the concave and convex surfaces of the object. (As shown on the left)</p>
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Sample recovery efficiency comparison:

<p>Polyester Sponge Swab</p> <p>The recommended polyester sponge sampling swab has nearly twice the collection recycling rate of a swab.</p>	<p>Synthetic Fiber Swab</p>
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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.



For Use With ATP Bioluminescence Detector



REF

159-1001



Ø13×167mm *



Tube: PET
Tip: Polyester or nylon flocked



20



200

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

Cervix Sampler & Cervix Sampling Set

Cervix Sampler

- It is composed of stick (ABS or PP) and sampling brush.
- Adapted to gynecology routine inspection and cervical mucosa disease, to judge erosion degree, epithelial dysplasia, early stage cervical cancer.
- The shape and length of cervix cell sampler can be adapted to the cervix dissection structure, soft and intensive, It can collect more tissue specimen and do less harm to the tissue, 100% cells can be collected to the preservation liquid.



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.



REF	Original REF.	MAT	mm *					
157-4501	KJ502-18	Tip: Nylon Bristle	190mm	100	-	1000	Individual Pack, STERILE EO or STERILE R	
157-4502	KJ502-15	Tip: Nylon Bristle	190mm	100	-	1000	Individual Pack, STERILE EO or STERILE R	
157-3601	KJ502-13	Tip: LDPE	200mm	100	-	1000	Individual Pack, STERILE EO or STERILE R	
158-0001	KJ502-22	Tip: Nylon Bristle Tube: PP HPV storage solution	Tube: Ø16x75 mm	-	48	480	Individual Pack, STERILE EO or STERILE R	

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