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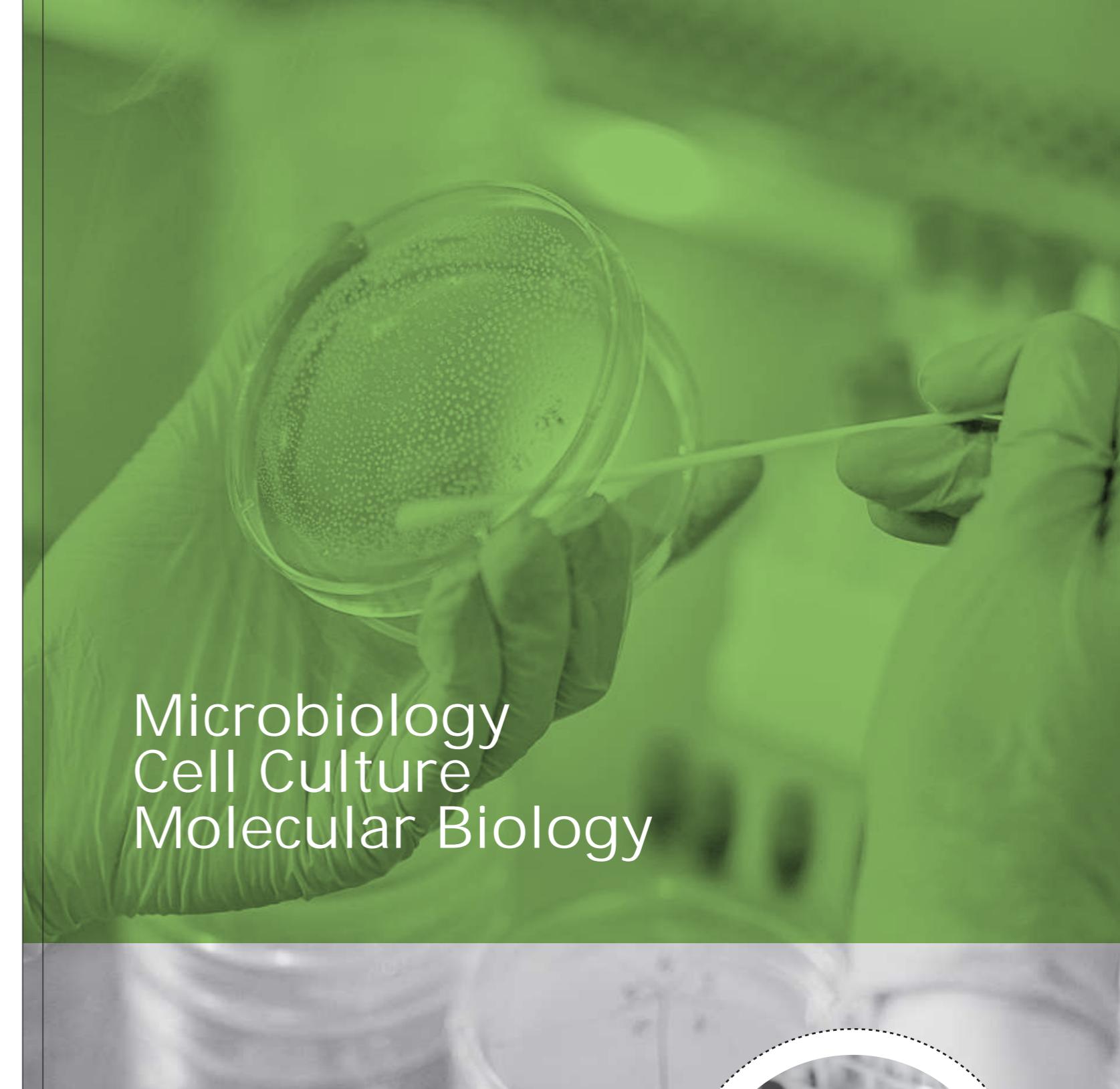
PRODUCTION

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Microbiology
Cell Culture
Molecular Biology

CITOTEST®



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CITOTEST SCIENTIFIC CO.,LTD

CITOTEST was established in 1996 in East China. The owner ambitiously founded CITOTEST for creating a cost-effective Manufacturer and Provider for high quality Microscope Slides and Microscope Cover Glass. And based on a lot of fundamental hard work as well as persistent pursuit during the initial years, we finally made it and had CITOTEST well distinguished from other suppliers of economical products, and CITOTEST obviously became popular as a symbol of high quality products.

Being a private company, CITOTEST has been constructing its organizations exactly following the needs of developments since the day of its birth. All the CITOTEST members clearly understand that only continuous diligence and developments can assure CITOTEST as well as its members outstanding over the increasingly fierce competition. The young CITOTEST team, having gone through considerable challenges, is becoming mature every day. And with the adoption of more and more professional operational systems and tools, CITOTEST is becoming more and more professional for satisfying our customers.

Foreseeing the near future, the young CITOTEST with its growing team shall continuously develop our product portfolio to meet more comprehensive customer demands and commit ourselves to delivering our partners high quality products and exact solutions.

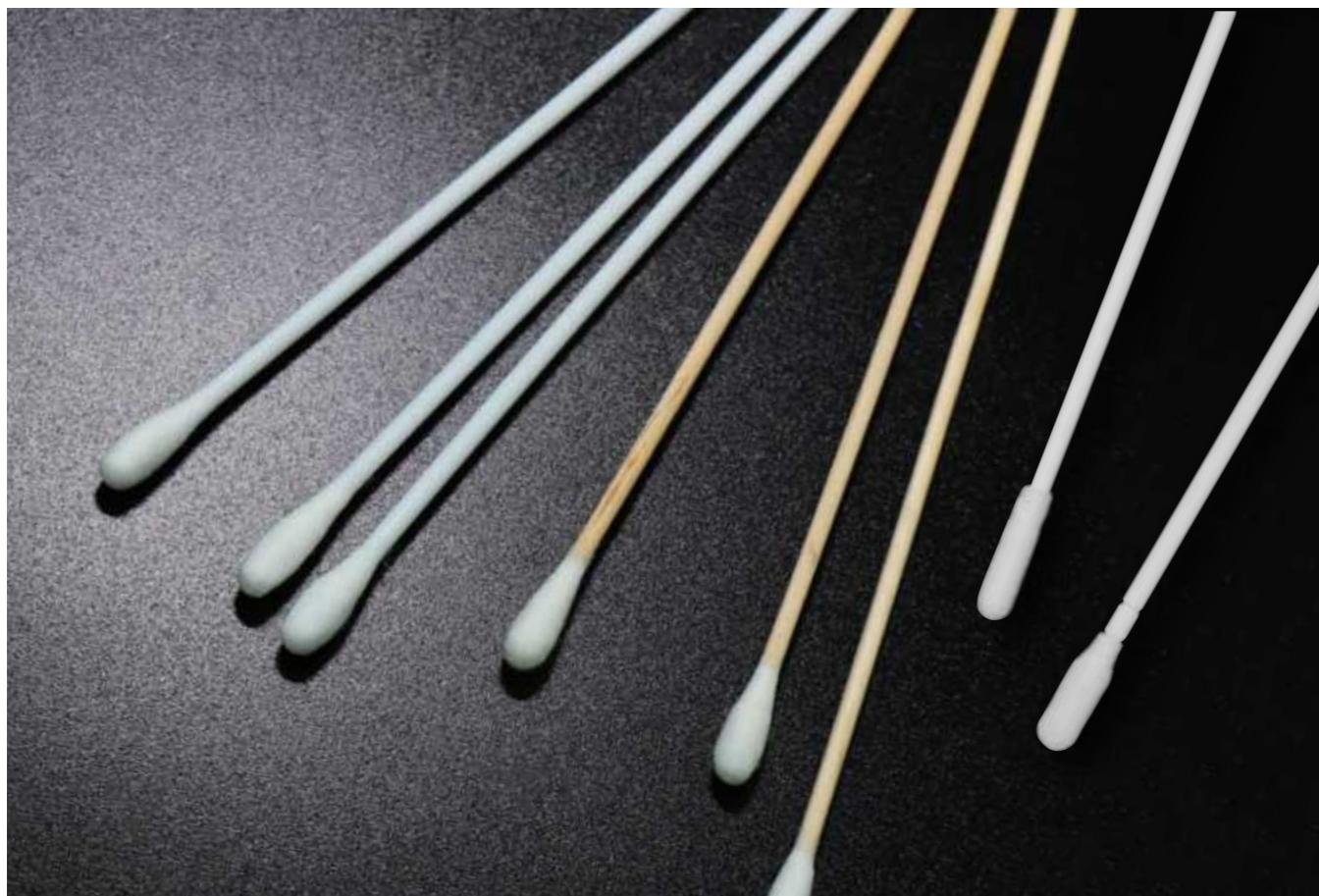




SPECIMEN COLLECTION & TRANSPORTATION

Intended for biological sampling when a test is to be performed immediately, or does not need to keep the organisms viable, e.g. direct smear examination, as well inoculation by Roll-plate method, such as susceptibility testing by Kirby-Bauer or E-test.

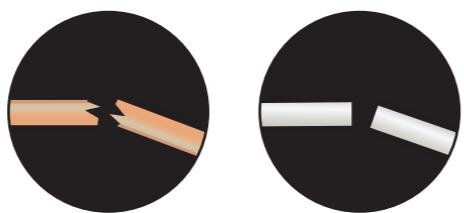
CITOSWAB Series are provided with a complete range of sticks and tips including cotton swabs, viscose swabs, polyester swabs and foam swabs. All of them are in compliance with the Medical Device Regulation (EU) 2017/745, and validated as a Class I, Class Ia and Class IIa medical device.



Classical Swabs

Designed for sampling from surface and wide orifices, such as skin, mouth, nose and throat

- Wooden swabs can be used in lab, not recommended for fastidious organisms
- Plastic swabs, flexible, suitable for most specimen
- Round tip, compact and shred resistant, not easy to loose during sampling
- Supplied with sterile and non-sterile



Classical Swabs (Bulk) -Class I

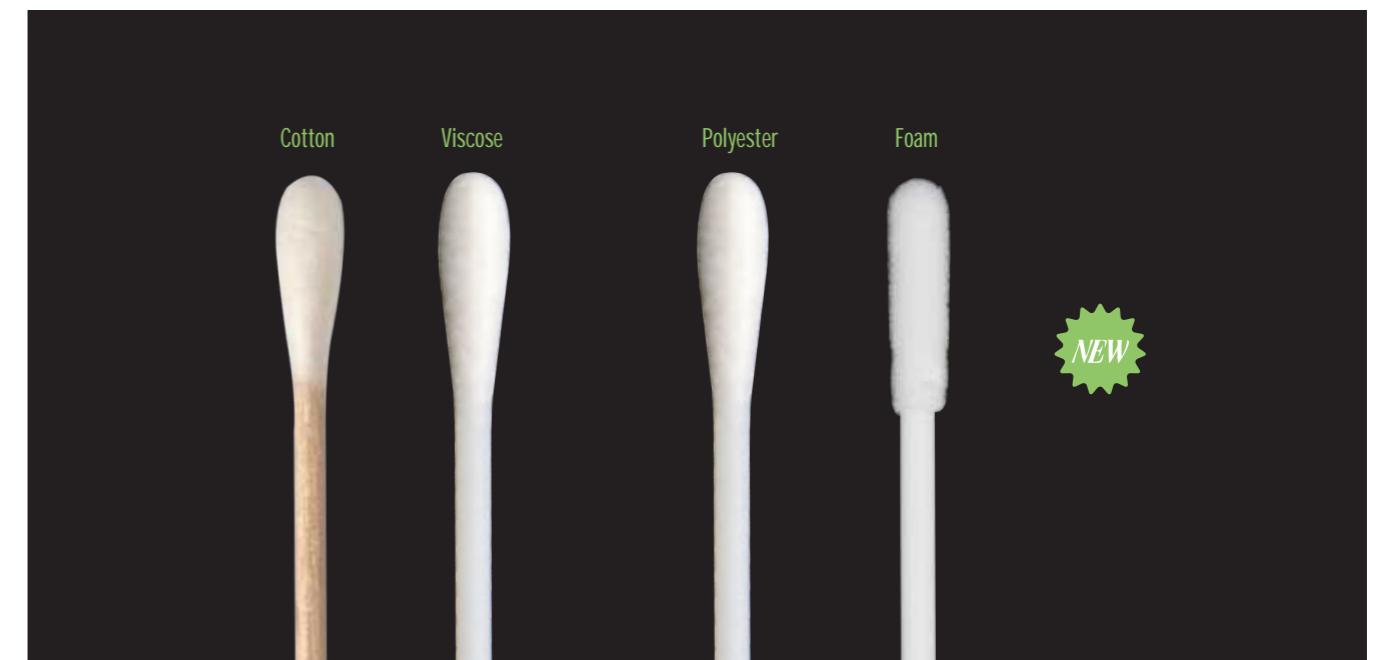
| P/N | STICK | TIP | STERILE | PACKING |
|-----------|----------------------|-----------|-------------|---|
| 2122-0001 | Wooden | Cotton | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0263 | Wooden | Viscose | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0019 | Snappable PS | Cotton | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0006 | Snappable PS | Viscose | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-1263 | Snappable PP | Viscose | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2125-0006 | Snappable PS | Polyester | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2125-1006 | Snappable PP | Polyester | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0001 | Snappable PP (80mm) | Foam | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0004 | Snappable PP (100mm) | Foam | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0011 | Snappable PP (90mm) | Foam | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0016 | Snappable PP (150mm) | Foam | Non-sterile | Bulk pack, 100pcs/bag, 20,000pcs/carton |

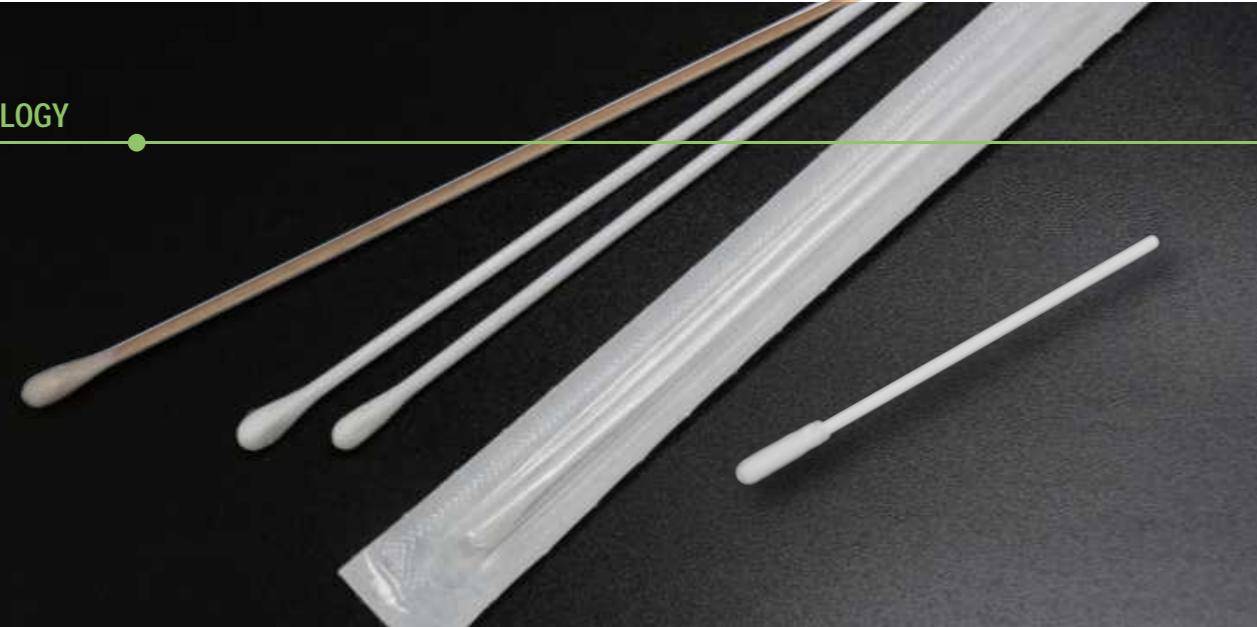
Classical swabs (Bulk) -Class IIs

| P/N | STICK | TIP | STERILE | PACKING |
|-----------|--------------|---------|---------|---|
| 2122-0104 | Wooden | Cotton | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0134 | Wooden | Cotton | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0304 | Snappable PS | Cotton | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0334 | Snappable PS | Cotton | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0404 | Snappable PS | Viscose | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-0434 | Snappable PS | Viscose | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |

| P/N | STICK | TIP | STERILE | PACKING |
|-----------|--------------|-----------|---------|---|
| 2122-1204 | Snappable PP | Viscose | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2122-1234 | Snappable PP | Viscose | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2125-0011 | Snappable PS | Polyester | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2125-0012 | Snappable PS | Polyester | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2125-1011 | Snappable PP | Polyester | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2125-1012 | Snappable PP | Polyester | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |

| P/N | STICK | TIP | STERILE | PACKING |
|-----------|---------------------|------|---------|---|
| 2124-0007 | Snappable PP (80mm) | Foam | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0008 | Snappable PP (80mm) | Foam | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0009 | Snappable PP(100mm) | Foam | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0010 | Snappable PP(100mm) | Foam | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0012 | Snappable PP (90mm) | Foam | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0013 | Snappable PP (90mm) | Foam | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0017 | Snappable PP(150mm) | Foam | E.O. | Bulk pack, 100pcs/bag, 20,000pcs/carton |
| 2124-0018 | Snappable PP(150mm) | Foam | Gamma | Bulk pack, 100pcs/bag, 20,000pcs/carton |




Classical swabs, peel pouch -Class I

| P/N | STICK | TIP | STERILE | PACKING |
|-----|-------|-----|---------|---------|
|-----|-------|-----|---------|---------|

| | | | | |
|-----------|--------------|--------|-------|---|
| 2122-0002 | Wooden | Cotton | E.O. | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0013 | Wooden | Cotton | E.O. | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0004 | Wooden | Cotton | Gamma | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0011 | Wooden | Cotton | Gamma | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0021 | Snappable PS | Cotton | E.O. | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0017 | Snappable PS | Cotton | E.O. | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0022 | Snappable PS | Cotton | Gamma | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0018 | Snappable PS | Cotton | Gamma | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |

| P/N | STICK | TIP | STERILE | PACKING |
|-----|-------|-----|---------|---------|
|-----|-------|-----|---------|---------|

| | | | | |
|-----------|--------------|---------|------|---|
| 2122-0008 | Snappable PS | Viscose | E.O. | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0012 | Snappable PS | Viscose | E.O. | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-1201 | Snappable PP | Viscose | E.O. | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-1202 | Snappable PP | Viscose | E.O. | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |

| P/N | STICK | TIP | STERILE | PACKING |
|-----|-------|-----|---------|---------|
|-----|-------|-----|---------|---------|

| | | | | |
|-----------|--------------|-----------|------|---|
| 2125-0007 | Snappable PS | Polyester | E.O. | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2125-0009 | Snappable PS | Polyester | E.O. | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2125-1007 | Snappable PP | Polyester | E.O. | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2125-1009 | Snappable PP | Polyester | E.O. | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |

| P/N | STICK | TIP | STERILE | PACKING |
|-----|-------|-----|---------|---------|
|-----|-------|-----|---------|---------|

| | | | | |
|-----------|---------------------|------|-------|--|
| 2124-0002 | Snappable PP (80mm) | Foam | E.O. | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |
| 2124-0003 | Snappable PP (80mm) | Foam | Gamma | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |
| 2124-0005 | Snappable PP(100mm) | Foam | E.O. | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |
| 2124-0006 | Snappable PP(100mm) | Foam | Gamma | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |
| 2124-0014 | Snappable PP (90mm) | Foam | E.O. | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |
| 2124-0015 | Snappable PP (90mm) | Foam | Gamma | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |
| 2124-0019 | Snappable PP(150mm) | Foam | E.O. | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |
| 2124-0020 | Snappable PP(150mm) | Foam | Gamma | Individual peel pack, 1000pcs/dispenser box, 8,000pcs/carton |

Classical swabs, in tube (Bulk) -Class I

| P/N | STICK | TIP | STERILE | PACKING |
|-----|-------|-----|---------|---------|
|-----|-------|-----|---------|---------|

| | | | | |
|-----------|--------------|-----------|-------|--|
| 2120-0001 | Wooden | Cotton | E.O. | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0002 | Wooden | Cotton | Gamma | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0013 | Snappable PS | Cotton | E.O. | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0014 | Snappable PS | Cotton | Gamma | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0003 | Wooden | Viscose | E.O. | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0004 | Wooden | Viscose | Gamma | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0015 | Snappable PS | Viscose | E.O. | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0016 | Snappable PS | Viscose | Gamma | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-1205 | Snappable PP | Viscose | E.O. | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-1225 | Snappable PP | Viscose | Gamma | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0705 | Snappable PS | Polyester | E.O. | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0725 | Snappable PS | Polyester | Gamma | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0805 | Snappable PP | Polyester | E.O. | Bulk pack, 100pcs/bag, 1,000pcs/carton |
| 2120-0825 | Snappable PP | Polyester | Gamma | Bulk pack, 100pcs/bag, 1,000pcs/carton |

Classical swabs, in tube(Peel pouch) -Class I
Regular swab

Individual peel pack, 1000pcs/dispenser box, 1,000pcs/carton

| P/N | STICK | TIP | STERILE |
|-----------|--------------|-----------|---------|
| 2120-0009 | Wooden | Cotton | E.O. |
| 2120-0010 | Wooden | Cotton | Gamma |
| 2120-0021 | Snappable PS | Cotton | E.O. |
| 2120-0022 | Snappable PS | Cotton | Gamma |
| 2120-0023 | Snappable PS | Viscose | E.O. |
| 2120-1201 | Snappable PP | Viscose | E.O. |
| 2120-0701 | Snappable PS | Polyester | E.O. |
| 2120-0801 | Snappable PP | Polyester | E.O. |
| 2120-1901 | Snappable PP | Foam | E.O. |
| 2120-1921 | Snappable PP | Foam | Gamma |

Double swabs

Individual peel pack, 1000pcs/dispenser box, 1,000pcs/carton

| P/N | STICK | TIP | STERILE |
|-----------|--------------|-----------|---------|
| 2120-1101 | Snappable PS | Viscose | E.O. |
| 2120-1301 | Snappable PP | Viscose | E.O. |
| 2120-1701 | Snappable PS | Polyester | E.O. |
| 2120-1801 | Snappable PP | Polyester | E.O. |
| 2120-2001 | Snappable PP | Foam | E.O. |
| 2120-2021 | Snappable PP | Foam | Gamma |



Double swabs



Regular swab



Transport Swab -Class I

CITOSWAB® series are the best solution and most convenient solution for you to collect and transport Clinical specimens, and provide an adequate degree of preservation for those specimens which can not be forwarded immediately to the laboratory for prompt examination.

Comply with CLSI M40-A standard, and validated as a Class I Medical Device in compliance with the Medical Device Regulation (EU) 2017/745



Components and Features

- Stuart gel**
- Stuart w/charcoal gel**
- Cary-Blair gel**
- Amies gel**
- Amies w/charcoal gel**

Compact Unit

- Tamper evident label, for recording sample information, and avoiding repeated use
- Tightness colored cap, for ensuring biosafety transportation
- Non-breakable PP tube, offering a firm protection during the specimen transportation and storage
- Long, flexible and easy cut swab-stick, for variable usages
- Nontoxic, soft swab-tip, for optimum sampling and releasing
- Stable chemical composition, semisolid transport media with buffering to ensure microorganism viability

** Sterile waterproof and easy open pouch for maintaining unit's performance

CITOSWAB® series is composed with a sample swab, a transport tube pre-filled with transport media and a peel pouch. According to the utilized media, five disposable products, Amies gel, Amies gel with charcoal, Stuart gel, stuart gel with charcoal and cary-Blair gel are manufactured. There are five different colored caps of the transfer tubes for distinguishing these five product units. The assembled unit is sterile and prepared to use for collecting, transporting and preserving microbiological specimens.

Higher bio-compatibility

All raw materials are tested for no harmfulness to microorganisms



- 1 Pseudomonas aeruginosa
- 2 Streptococcus pneumoniae
- 3 Bacteroides fragilis

Superior collection swab

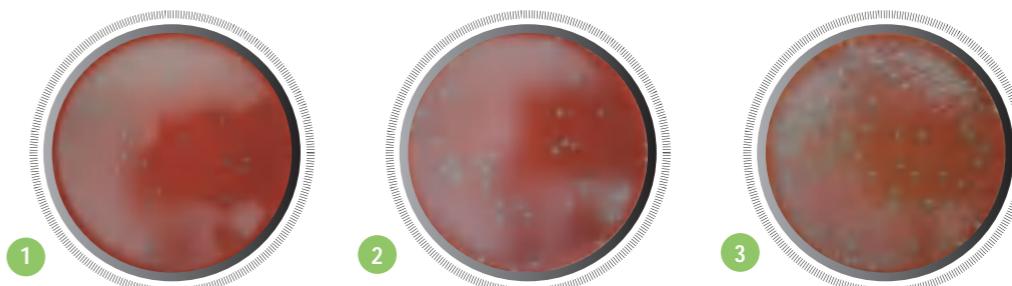
Excellent absorbency and release rate of microorganism
Under the scanning electron microscope, SEM



- 1 Inoculated swab fibers, 250x
- 2 Neisseria gonorrhoeae on swab fibers, 5,000x
- 3 Escherichia coli on the swab fibers, 10,000x

Reliable transport media

Five optional formulations, all reagents are analytical grade to make sure the least possible of non-viable organisms



- 1 0-15min at room temperature
- 2 Holding at 4°C for 48h
- 3 Holding at 24°C for 48h

Stable period of shelf life

After 24 months, CITOSWABS maintain the viability of ATCC strains for 48 hours at 4°C & RT without significant increase in growth

Rigorous Quality Control

Be strictly complied with the M40-A standard; All raw materials and swab components are tested for no harmfulness to microorganisms; The performance is investigated by the Swab Elution and Roll-Plate Methods; All batches of the finished product are tested for sterilization confirmation.

ATCC standard culture collections for quality control

Aerobes and Facultative Anaerobes

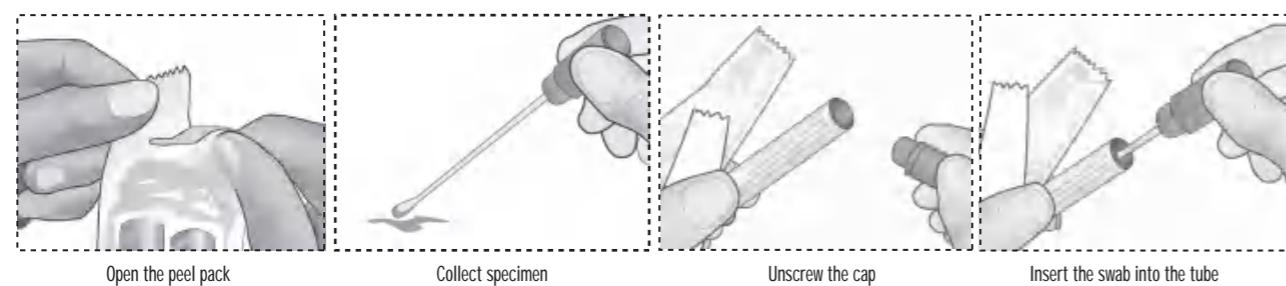
Pseudomonas aeruginosa (ATCC® BAA-427)
Streptococcus pyogenes (ATCC® 19615)
Streptococcus pneumoniae (ATCC® 6305)
Haemophilus influenzae (ATCC® 10211)
Escherichia coli (ATCC® 25922)
Staphylococcus aureus (ATCC® 25923)

Fastidious Bacteria& Anaerobes Bacteria

Neisseria gonorrhoeae ATCC® 43069
Bacteroides fragilis (ATCC® 25285)
Peptostreptococcus anaerobius (ATCC® 27337)
Fusobacterium nucleatum (ATCC® 25586)
Propionibacterium acnes (ATCC® 6919)
Prevotella melaninogenica (ATCC® 25845)



Convenient Operation



Cautions

Do not use, the product if there is a breakage of the pouch, a leakage of the tube, dehydration or contamination in the medium

The shelf life of CITOSWAB SERIES is 24 months, please use the product before the expiration date which is clearly printed on the product unit

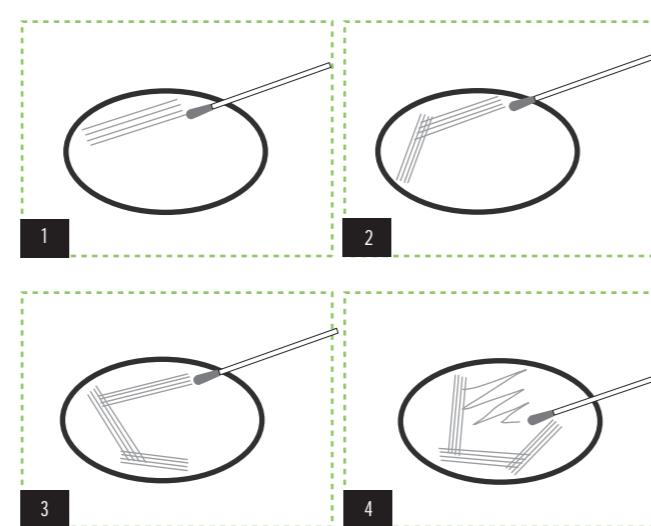
Store the device at dry and dark place in room temperature (2 – 25 °C), avoid any additional chemicals and physical sterilization processes prior to use



When the swab sample is processed inside a protective safety cabinet or protective hood, all techniques have to be carried out according to aseptic standard

Great care should be taken in detaching the applicator stick from the tube to eliminate any risk of splashes or aerosols

The used tubes and swabs must be disposed of according to laboratory regulations for infectious waste



Stuart Swab

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria possibly exist in the wound, nose, throat, nasopharyngeal, vagina or urogenital and skin specimens

The modified Stuart media originally described by Stuart et al in 1948, for transporting gonococcal specimens to the laboratory. Currently, the medium has been proved to can also maintain the viability of a variety of specimens. In all cases, specimens should be cultivated as soon as possible or stored in the refrigerator if delay is unavoidable.

CAP COLOR: WHITE

| P/N | SWAB | PACKING |
|--------------|--------------------------------|----------------------|
| 2120-0029 | Single, PS stick + viscose tip | Individual peel pack |
| 2119-1104-16 | Double, PS stick + viscose tip | Individual peel pack |



Stuart W/Charcoal Swab

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria possibly exist in the wound, nose, throat, nasopharyngeal, vagina or urogenital and skin specimens

An improved Stuart medium containing charcoal, the charcoal on the media neutralises inhibitors and bacterial toxins, and prolong the viability of pathogenic organisms. In all cases, specimens should be cultivated as soon as possible or stored in the refrigerator if delay is unavoidable.

CAP COLOR: BROWN

| P/N | SWAB | PACKING |
|--------------|--------------------------------|----------------------|
| 2120-0030 | Single, PS stick + viscose tip | Individual peel pack |
| 2119-1105-15 | Double, PS stick + viscose tip | Individual peel pack |



Cary-Blair Swabs

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria, specially fecal and rectal samples

Another modified Stuart medium, use inorganic phosphate instead of glycerophosphate that can be metabolized by some bacteria, and raise the pH to 8.4. The medium was effective in maintaining the viability of Salmonella and Shigella in fecal samples, and prevents bacterial overgrowth by Escherichia coli and Klebsiella aerogenes. In all cases, specimens should be cultivated as soon as possible or stored in the refrigerator if delay is unavoidable.

CAP COLOR: RED

| P/N | SWAB | PACKING |
|-----------|--------------------------------|----------------------|
| 2120-0028 | Single, PS stick + viscose tip | Individual peel pack |



Amies Swabs

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria possibly exist in the wound, nose, throat, nasopharyngeal, vagina or urogenital and skin specimens, especially suited for specimens containing *Neisseria gonorrhoeae*

Another modified Stuart medium, replaces glycerophosphate with inorganic phosphate, and add calcium and magnesium salts for controlling the permeability of the bacterial cells and so contributing to their survival. This modified medium yielded a higher percentage of positive cultures. In all cases, specimens should be cultivated as soon as possible or stored in the refrigerator if delay is unavoidable.

CAP COLOR: BLUE

| P/N | SWAB | PACKING |
|--------------|--------------------------------|----------------------|
| 2120-0026 | Single, PS stick + viscose tip | Individual peel pack |
| 2119-1101-02 | Double, PS stick + viscose tip | Individual peel pack |

**Amies W/Charcoal Swabs**

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria possibly exist in the wound, nose, throat, nasopharyngeal, vagina or urogenital and skin specimens, especially suited for specimens containing *Neisseria gonorrhoeae*

An improved Amies medium containing charcoal, the charcoal on the media neutralises inhibitors and bacterial toxins, and prolong the viability of pathogenic organisms. In all cases, specimens should be cultivated as soon as possible or stored in the refrigerator if delay is unavoidable.

CAP COLOR: BLACK

| P/N | SWAB | PACKING |
|--------------|--------------------------------|----------------------|
| 2120-0027 | Single, PS stick + viscose tip | Individual peel pack |
| 2119-1102-01 | Double, PS stick + viscose tip | Individual peel pack |



| | STUART GEL | STUART GEL W/CHARCOAL | CARY-BLAIR GEL | AMIES GEL | AMIES GEL W/CHARCOAL |
|-------------------------|----------------------------|-----------------------|----------------------------|-----------|----------------------------|
| Sodium Glycerophosphate | 10.00g | 10.00g | | 3.00g | 3.00g |
| Sodium Chloride | | | 5.00g | | |
| Potassium Chloride | | | | 0.20g | 0.20g |
| Calcium Chloride | 0.10g | 0.10g | 0.09g | 0.10g | 0.10g |
| Magnesium Chloride | | | | 0.10g | 0.10g |
| Monopotassium Phosphate | | | | 0.20g | 0.20g |
| Disodium Phosphate | | | 1.10g | 1.15g | 1.15g |
| Sodium Thioglycollate | 1.00g | 1.00g | 1.50g | 1.00g | 1.00g |
| Charcoal | | 10.00g | | | 10.00g |
| Agar | 3.00g | 3.00g | 5.00g | 4.00g | 4.00g |
| Distilled Water | 1 liter | 1 liter | 1 liter | 1 liter | 1 liter |
| | Final pH at 25°C 7.4 ± 0.2 | | Final pH at 25°C 8.4 ± 0.2 | | Final pH at 25°C 7.3 ± 0.2 |

Collection Swabs -Class IIa**Collection Swabs(peel pouch)**

| P/N | STICK | TIP | STERILE | PACKING |
|-----------|--------------|---------|---------|---|
| 2122-0009 | Snappable PS | Viscose | Gamma | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0010 | Snappable PS | Viscose | Gamma | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0024 | Snappable PP | Viscose | Gamma | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2122-0029 | Snappable PP | Viscose | Gamma | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |

| P/N | STICK | TIP | STERILE | PACKING |
|-----------|--------------|-----------|---------|---|
| 2125-0008 | Snappable PS | Polyester | Gamma | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2125-0010 | Snappable PS | Polyester | Gamma | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2125-1008 | Snappable PP | Polyester | Gamma | Individual peel pack, 500pcs/dispenser box, 2,000pcs/carton |
| 2125-1010 | Snappable PP | Polyester | Gamma | Two pcs/peel pack, 500pcs/dispenser box, 2,000pcs/carton |

Collection Swabs (in tube)**Regular swab**

| P/N | STICK | TIP | STERILE | PACKING |
|-----------|--------------|-----------|---------|--|
| 2120-0024 | Snappable PS | Viscose | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |
| 2120-0025 | Snappable PP | Viscose | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |
| 2120-0721 | Snappable PS | Polyester | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |
| 2120-0821 | Snappable PP | Polyester | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |

Double swabs

| P/N | STICK | TIP | STERILE | PACKING |
|-----------|--------------|-----------|---------|--|
| 2120-1121 | Snappable PS | Viscose | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |
| 2120-1321 | Snappable PP | Viscose | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |
| 2120-1721 | Snappable PS | Polyester | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |
| 2120-1821 | Snappable PP | Polyester | Gamma | Individual peel pack, 100pcs/dispenser box, 1,000 pcs/carton |



LIQUID SOLUTION FOR MICROBIOLOGY SAMPLES

Best testing begins with better samples, and better samples are obtained with the best collection tools. CITOTEST manufactures a full line of liquid-based collection and transport system for all your microbiological sampling, provides an easy, convenient and effective solution for specimen collection, transport and preanalytical processing.

Versatile Liquid Media

Liquid solution, producing a uniform suspension ready for use.

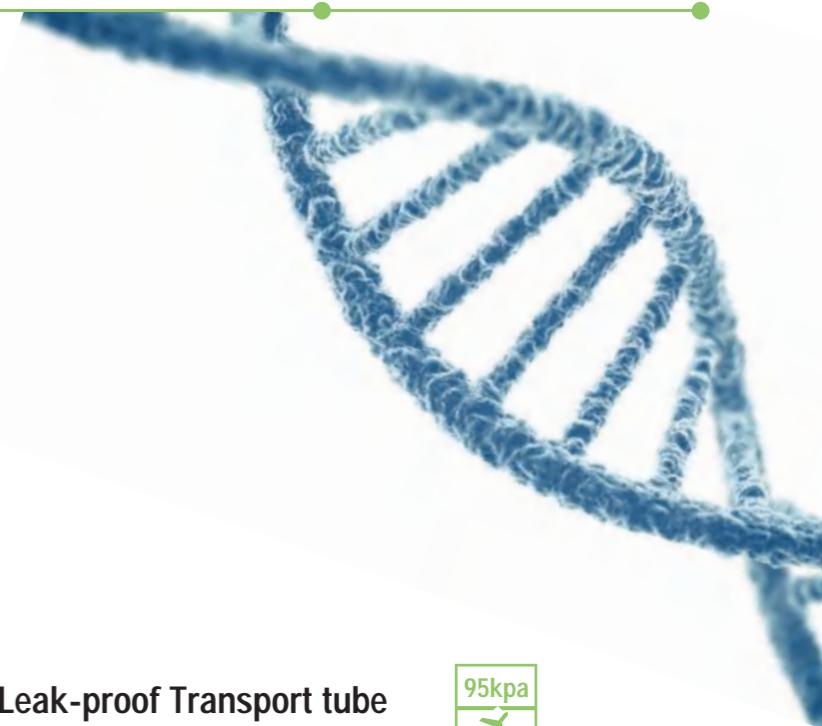
- Liquid Amies maintains viability of aerobes, anaerobes and fastidious microorganisms.
- Liquid Cary-Blair for enteric bacteria, viruses and parasites.
- Virus transport medium compatible with molecular techniques including PCR and with culture.
- Molecular transport medium, powerful formulation kills all patho gens, including mycobacteria, but preserves DNA and RNA.
- Vary fill volume to suit different applications, 1ml to prevent dilution effect, 3ml enough for multiple tests on the same specimen.



Optional collection swabs

Optimum absorption and releasing of microorganisms.

- Synthetic fibers, inert and non-toxic to microorganisms and patients, optimum absorption and release.
- Compacted fibers, resistant to shred and free of loose during sampling.
- Plastic shaft, flexible and snapable, easy to operate and deposit of swab into transport tube.
- Mini-tip option available for nasopharygealspecimes.



Leak-proof Transport tube



IATA compliant, for maximum leak tightness during transport.

- Molding cap tightly matched with the tube, passed -95kpa test, for sample integrity and security.
- Special design screw cap, able to capture the shaft of swab and protect samples from contaminations.
- Skirted transport tube with inner conical base, enabling centrifugation of samples and allowing tubes to stand upright on the laboratory bench.
- Color coded labels to indicate different applications.

Special design screw cap, able to capture the shaft of swab and protect samples from contaminations.

Universal Collection and Transport Kit

Available in a wide range of transport media, including collection, transport and processing systems for the most common Clinical Microbiology samples.

- Improved pathogen recovery for traditional bacteriology culture.
- Homogeneous sample for more consistent and precise Gram stains.
- Compatible with for molecular assays and rapid antigen testing.

Liquid Stuart

Liquid Stuart is adding the Sodium Glycerophosphate as the reductant-oxidant on the basis of phosphate buffer. It can provide the microbes with a stable pH and hypoxia circumstance, which is ideal for the transportation and preservation of clinic pathogen after sampling, such as Escherichia coli and pyogenic bacillus in the feces, sputum, secretion and so on.



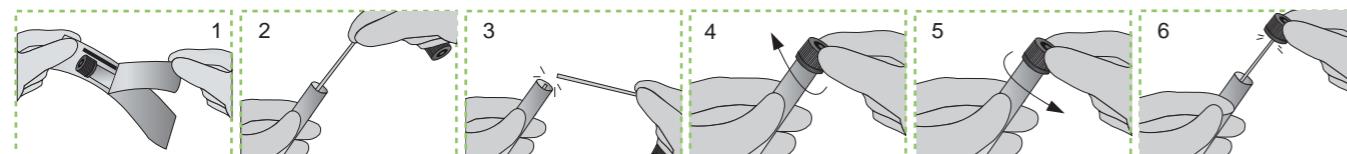
Liquid Amies

Another modified Stuart medium, replaces glycerophosphate with inorganic phosphate, and add calcium and magnesium salts for controlling the permeability of the bacterial cells and so contributing to their survival. This modified medium yielded a higher percentage of positive cultures. The charcoal on the media neutralizes inhibitors and bacterial toxins, and prolong the viability of pathogenic organisms.

Liquid Cary-Blair

Liquid Cary-Blair is another modified Stuart medium, use inorganic phosphate instead of glycerophosphate, and raise the pH to 8.4. The medium was effective in maintaining the viability of *Salmonella* and *Shigella* in fecal samples, and prevents bacterial overgrowth by *Escherichia coli* and *Klebsiella aerogenes*.

Convenient Use



CAUTIONS

Do not use, if there is a breakage of the pouch, a leakage of the tube, dehydration or contamination in the medium. The shelf life of CITOSWAB SERIES is 12 months, use before the expiration date which is clearly printed on the product unit. Store the device at dry and dark place in room temperature (5 – 25°C), avoid any additional chemicals and physical sterilization processes prior to use.

Ordering information

Transport tube prefilled with liquid medium

| P/N | MEDIUM | TUBE | VOL. | SWAB | PACKING |
|-----------|---------------------|------|------|-----------|------------------------------|
| 2118-0018 | ● Liquid Amies | 5ml | 1ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0093 | ● Liquid Amies | 7ml | 2ml | Tube only | 60tubes/box, 12x60tubes/case |
| 2118-0007 | ● Liquid Amies | 10ml | 3ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0020 | ● Liquid Stuart | 5ml | 1ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0105 | ● Liquid Stuart | 7ml | 2ml | Tube only | 60tubes/box, 12x60tubes/case |
| 2118-0009 | ● Liquid Stuart | 10ml | 3ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0026 | ● Liquid Cary-Blair | 5ml | 1ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0106 | ● Liquid Cary-Blair | 7ml | 2ml | Tube only | 60tubes/box, 12x60tubes/case |
| 2118-0027 | ● Liquid Cary-Blair | 10ml | 3ml | Tube only | 50tubes/box, 12x50tubes/case |

*Custom kit available upon request

Transport tube prefilled with liquid medium, with 1 separate regular viscose swab

| P/N | MEDIUM | TUBE | VOL. | SWAB | PACKING |
|-----------|---------------------|------|------|---------------------------------|---------------------------------|
| 2118-0431 | ● Liquid Amies | 5ml | 1ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0446 | ● Liquid Amies | 7ml | 2ml | 1 separate regular viscose swab | 60kits/inner box, 8x60kits/case |
| 2118-0407 | ● Liquid Amies | 10ml | 3ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0432 | ● Liquid Stuart | 5ml | 1ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0447 | ● Liquid Stuart | 7ml | 2ml | 1 separate regular viscose swab | 60kits/inner box, 8x60kits/case |
| 2118-0409 | ● Liquid Stuart | 10ml | 3ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0433 | ● Liquid Cary-Blair | 5ml | 1ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0448 | ● Liquid Cary-Blair | 7ml | 2ml | 1 separate regular viscose swab | 60kits/inner box, 8x60kits/case |
| 2118-0434 | ● Liquid Cary-Blair | 10ml | 3ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |

*Custom kit available upon request

Virus Collection and Transport Kit

Designed for viral specimen collection, transport and preservation, such as flu, bird flu and HFMD, etc.

- VTM and VTM-N Transport media can be chosen as needed.
- Disposable collection swab, composed of snappable plastic stick and viscose applicator.
- Ready to use and easy to tear package, effectively avoid cross contamination.
- Supplied with Biohazard specimen bag, ensure transport safe and reliable.

VTM Medium

VTM medium consists of modified Hank's-HEPES buffer solution supplemented with bovine serum albumin, gelatin, antibiotic and etc. A phenol red pH indicator is utilized to ensure medium integrity. The medium is osmotically balanced and buffered so that can maintain the viability of virus specimens, while preventing bacteria proliferation during transportation to laboratory.

VTM-N Medium / ITM Medium

VTM-N medium is Guanidine-based medium, contains the protein deformers and nuclease inhibitors which lyses cells to release and preserve Nucleic acids (RNA & DNA), while makes the virus inactive for safe handling. VTM-N ensures optimal preservation of RNA and DNA at room temperature for up to 48h, but not suitable for culture or rapid antigen testing.

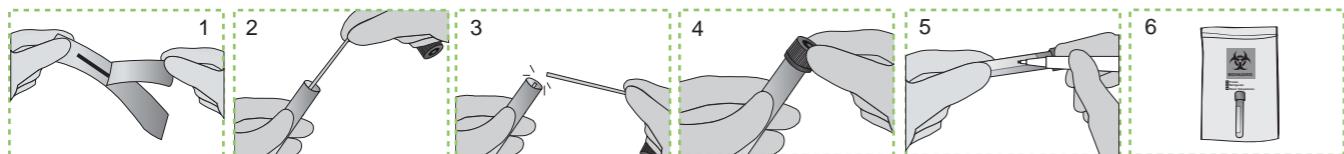
PBS and Normal Saline Solution

Phosphate buffered saline (PBS), including molecular grade PBS when available, and other similar formulations including Delbecco's PBS, can be used to collect and transport samples for molecular RT-PCR SARS-CoV-2 assays. If PBS is not available, normal saline may be used. FDA believes that a sterile glass or plastic vial containing between 1mL and 3mL of PBS or normal saline is appropriate. Specimens can be stored up to 72 hours at 4°C.



Convenient Use

1.Peel off the pouch and collection; 2.Put the swab into the medium; 3.Snap the stick of swab;
4.Screw the tube cap tightly; 5.Label the specimen information;



Transport tube prefilled with liquid medium

*Custom kit available upon request

| P/N | MEDIUM | TUBE | VOL. | SWAB | PACKING |
|-----------|-------------------|------|------|-----------|------------------------------|
| 2118-0012 | ● VTM | 5ml | 1ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0094 | ● VTM | 7ml | 2ml | Tube only | 60tubes/box, 12x60tubes/case |
| 2118-0019 | ● VTM | 10ml | 3ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0016 | ● VTM-N | 5ml | 1ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0059 | ● VTM-N | 7ml | 2ml | Tube only | 60tubes/box, 12x60tubes/case |
| 2118-0015 | ● VTM-N | 10ml | 3ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0028 | ● PBS | 5ml | 1ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0049 | ● PBS | 7ml | 2ml | Tube only | 60tubes/box, 12x60tubes/case |
| 2118-0029 | ● PBS | 10ml | 3ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0030 | ● Saline Solution | 5ml | 1ml | Tube only | 50tubes/box, 12x50tubes/case |
| 2118-0052 | ● Saline Solution | 7ml | 2ml | Tube only | 60tubes/box, 12x60tubes/case |
| 2118-0031 | ● Saline Solution | 10ml | 3ml | Tube only | 50tubes/box, 12x50tubes/case |

Transport tube prefilled with liquid medium,with 1 separate regular viscose swab

*Custom kit available upon request

| P/N | MEDIUM | TUBE | VOL. | SWAB | PACKING |
|-----------|-------------------|------|------|---------------------------------|---------------------------------|
| 2118-0425 | ● VTM | 5ml | 1ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0443 | ● VTM | 7ml | 2ml | 1 separate regular viscose swab | 60kits/inner box, 8x60kits/case |
| 2118-0422 | ● VTM | 10ml | 3ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0426 | ● VTM-N | 5ml | 1ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0442 | ● VTM-N | 7ml | 2ml | 1 separate regular viscose swab | 60kits/inner box, 8x60kits/case |
| 2118-0424 | ● VTM-N | 10ml | 3ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0427 | ● PBS | 5ml | 1ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0444 | ● PBS | 7ml | 2ml | 1 separate regular viscose swab | 60kits/inner box, 8x60kits/case |
| 2118-0428 | ● PBS | 10ml | 3ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0429 | ● Saline Solution | 5ml | 1ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |
| 2118-0445 | ● Saline Solution | 7ml | 2ml | 1 separate regular viscose swab | 60kits/inner box, 8x60kits/case |
| 2118-0430 | ● Saline Solution | 10ml | 3ml | 1 separate regular viscose swab | 50kits/inner box, 8x50kits/case |

10 in 1 for mixed samples detection

With the increased demands for tests of COVID-19, Citotest has launched the 10 in 1 Citoswab® Collection and Transport Kit , in response to the massive screening of asymptomatic corona virus infections. The new kit is adaptable to massive tests in schools, factories, residences,etc, aiming at realizing higher testing efficiency.

- With 6ML ITM medium in 10ml transport tube, with guanidine in medium to inactive virus , color for easy identification
- 10pcs of optional NP swabs, with breakpoint at 80mm / OP swabs, with breakpoint at 30mm
- Provided with a Biohazard specimen bag, to guarantee safe and reliable transport

| P/N | DESCRIPTION | PACKING |
|-----------|--|----------------------------|
| 2118-0034 | 10ml Transport tube with 6ml ITM | 50pcs/box, 600pcs/carton |
| 2118-1529 | 10ml Transport tube with 6ml ITM+10pcs OP swabs + a Biohazard specimen bag | 25sets/box, 200sets/carton |
| 2118-1530 | 10ml Transport tube with 6ml ITM+10pcs NP swabs + a Biohazard specimen bag | 25sets/box, 200sets/carton |

Remarks: The medium can be replaced by PBS/SALINE according to experimental demands.



Saliva Collection Kit

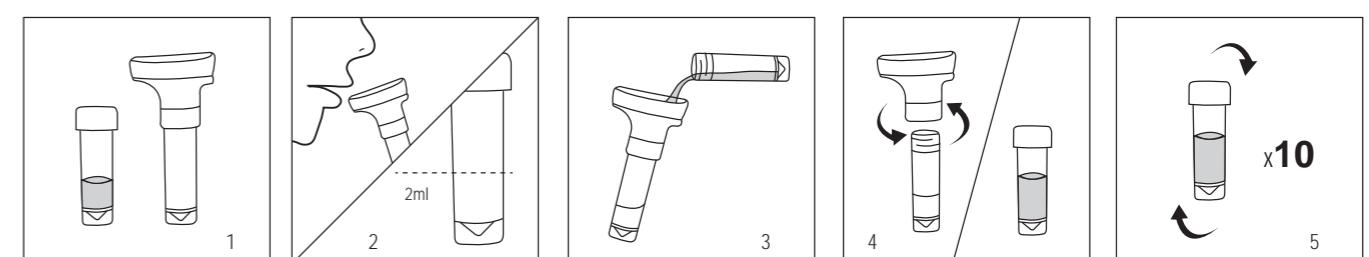
Cost-effective and non-invasive method to capture saliva samples for DNA/RNA extraction.

The Saliva Collection Kit ensures sample stability during storage and transport at ambient temperatures without a need for refrigeration or specialized equipment. The reagent effectively inactivates pathogens (e.g. bacteria) in collected samples. Each collection tube is pre-filled with 2 mL buffer that preserves nucleic acids in samples at ambient temperature. Samples in buffer can be frozen (-20/-80°C) for prolonged periods.



The new funnel is optional, suitable for 5ml/7ml/10ml/12ml transport tubes

Convenient Use



1. Remove the kit from packaging.
2. Deep cough and spit into the saliva collector, up to 2ml marker.
3. Add the preservation solution prefilled in tube.
4. Remove the saliva collector and screw the cap.
5. Invert tube to mix.

Note: DO NOT drink, touch the preservation solution. The solution can be harmful if ingested and may cause irritation if exposed to the skin and eyes.

Saliva Collection Kit

*Custom kit available upon request

| P/N | MEDIUM | TUBE | VOL. | COLLECTOR | PACKING |
|-----------|-----------------------|------|------|--------------------------------|---------------|
| 2118-1761 | Preservation solution | 5ml | 2ml | 1 saliva collector | 50sets/carton |
| 2118-1762 | Preservation solution | 10ml | 2ml | 1 saliva collector | 50sets/carton |
| 2118-1765 | Preservation solution | 5ml | 2ml | 1 saliva collector(new funnel) | 50sets/carton |
| 2118-1766 | Preservation solution | 7ml | 2ml | 1 saliva collector(new funnel) | 50sets/carton |
| 2118-1767 | Preservation solution | 10ml | 2ml | 1 saliva collector(new funnel) | 50sets/carton |
| 2118-1768 | Preservation solution | 12ml | 2ml | 1 saliva collector(new funnel) | 50sets/carton |

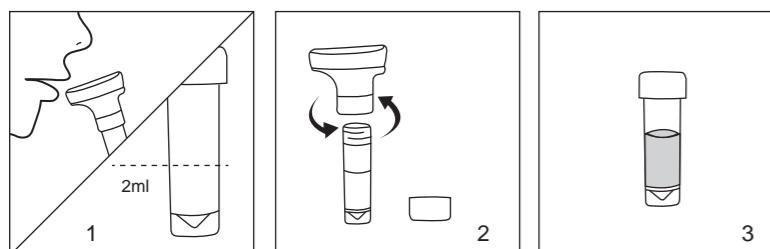
Saliva Collection Kit

Cost-effective and non-invasive method to capture saliva samples for DNA/RNA extraction.

The Saliva Collection Kit ensures sample stability during storage and transport at ambient temperatures without a need for refrigeration or specialized equipment. The reagent effectively inactivates pathogens (e.g. bacteria) in collected samples.



Convenient Use



1. Deep cough and spit into the saliva collector, up to 2ml marker.
2. Remove the saliva collector.
3. Screw the cap.

| P/N | TUBE | COLLECTOR | PACKING |
|-----------|------|--------------------------------|-------------------------------------|
| 2118-1731 | 5ml | 1 saliva collector | 1set/bag, 50sets/box,500sets/carton |
| 2118-1733 | 10ml | 1 saliva collector | 1set/bag, 50sets/box,500sets/carton |
| 2118-1713 | 5ml | 1 saliva collector(new funnel) | 1set/bag, 50sets/box,500sets/carton |
| 2118-1714 | 7ml | 1 saliva collector(new funnel) | 1set/bag, 50sets/box,500sets/carton |
| 2118-1715 | 10ml | 1 saliva collector(new funnel) | 1set/bag, 50sets/box,500sets/carton |
| 2118-1716 | 12ml | 1 saliva collector(new funnel) | 1set/bag, 50sets/box,500sets/carton |

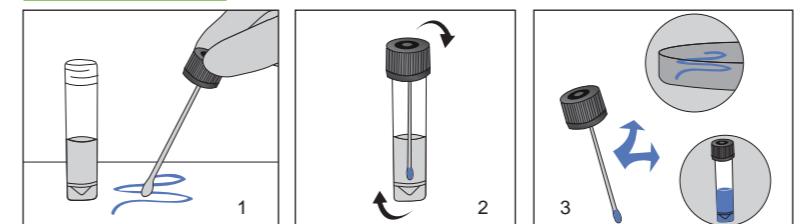
*Custom kit available upon request

Environmental Surface Collection Kit

Effective sampling of surfaces requires moisture, either already present on the surface to be sampled or via moistened swabs, sponges, wipes, agar surfaces, or membrane filters. CITOTEST provides dilution fluids and rinse fluids include various buffers or general-purpose broth media, for environmental sampling applied in the food, pharmaceutical, biotechnology and cosmetic industries.

Available in 10mL fill volumes, with CITOSWAB high-quality foam swab. The swab can be securely attached to the cap and makes a convenient "handle" for great control when sampling.

Convenient Use



1. Pre-moistening the tip of swab with broth and then collecting sample by rubbing.
2. Returning the swab head to the broth after swabbing each area.
3. Shaking the tube vigorously, then plating the sample into the appropriate media and culturing for analysis.

Note: This product is For Laboratory Use only. It is not intended for use in the diagnosis of disease or other conditions.

Packing: 50tubes/rack/inner box, 8x50tubes/case



Neutralizing solution

Neutralizing solution is recommended for detection of microorganisms found on dairy and food equipment disinfected with chlorine or quaternary ammonium compounds. The medium usually contains lecithin, polysorbate 80, and sodium thiosulphate, which is used for neutralizing antibacterial or anti-microbial cleansing agents on surfaces in order to paint a clear picture of any bacteria present.

Neutralizing Solution (PBS)

| P/N | TUBE | VOL. | SWAB |
|-----------|------|------|--|
| 2118-1601 | 10ml | 10ml | 1 separate regular foam swab |
| 2118-1651 | 10ml | 10ml | 1 regular foam swab attached cap in tube |

Neutralizing Solution (Saline Solution)

| P/N | TUBE | VOL. | SWAB |
|-----------|------|------|--|
| 2118-1602 | 10ml | 10ml | 1 separate regular foam swab |
| 2118-1652 | 10ml | 10ml | 1 regular foam swab attached cap in tube |



Buffered Peptone Water

Buffered Peptone Water is a pre-enriched nonselective buffered solution. It allows for the repair of damaged cells and facilitates the recovery of target bacteria in samples for detection of salmonella in food and dairy plants.

| P/N | TUBE | VOL. | SWAB |
|-----------|------|------|--|
| 2118-1603 | 10ml | 10ml | 1 separate regular foam swab |
| 2118-1653 | 10ml | 10ml | 1 regular foam swab attached cap in tube |

Lethen Broth

Lethen Broth is recommended for use in qualitative procedures for testing quaternary ammonium compounds for antimicrobial activity. It is a growth medium supplied with neutralizing reagent, such as Lecithin neutralizes quaternary ammonium compounds and polysorbate 80 neutralizes phenolic disinfectants, hexachlorophene, and formalin.

| P/N | TUBE | VOL. | SWAB |
|-----------|------|------|--|
| 2118-1604 | 10ml | 10ml | 1 separate regular foam swab |
| 2118-1654 | 10ml | 10ml | 1 regular foam swab attached cap in tube |

**Butterfield's Solution**

Butterfield's Solution is a liquid medium recommended for use in qualitative procedure as a diluent in microbial limit testing of pharmaceutical products and in food testing. It was developed to provide a standardized medium for the preparation of sample dilutions, which eliminates the variations in pH associated with the use of distilled water.

| P/N | TUBE | VOL. | SWAB |
|-----------|------|------|--|
| 2118-1605 | 10ml | 10ml | 1 separate regular foam swab |
| 2118-1655 | 10ml | 10ml | 1 regular foam swab attached cap in tube |

**D/E Neutralizing Broth**

D/E Neutralizing Broth is a liquid medium recommended for use in qualitative procedures for environmental sampling where neutralization of the chemical is important to determine its bactericidal or bacteriostatic activity. This medium will neutralize a broad spectrum of antiseptic and disinfectant chemicals, including mercurial, iodine and chlorine preparations, quaternary ammonium compounds, phenolics, formaldehyde and glutaraldehyde. Growth is indicated by a color change from purple to yellow, and / or cloudiness.

| P/N | TUBE | VOL. | SWAB |
|-----------|------|------|--|
| 2118-1606 | 10ml | 10ml | 1 separate regular foam swab |
| 2118-1656 | 10ml | 10ml | 1 regular foam swab attached cap in tube |

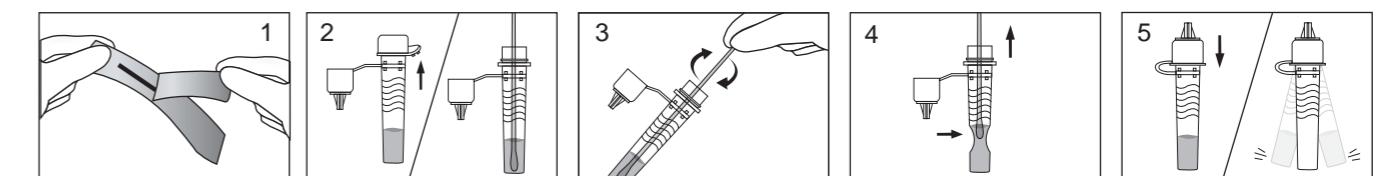
**Antigen Collection Kit**

CITOSWAB® Antigen Collection kit, is provided with sterile swabs and a plastic transport tube containing preservation solution. The collected samples apply to Antigen detection and analysis based on immunochromatography technology. Easy operation, safe and widely-applicable, The kit can assist in confirming the status of infection with testing in the acute stage, which is very conducive to early diagnosis.

- With swabs sampling, safe and non-invasive.
- The preservation solution Composition is determined, with less interference and high recovery rate.
- The unique dropper bottle design eliminates the pipetting operation, and avoids potential pollution.



*Saliva collection funnel is optional to replace the sterile NP swab

Convenient Use

1. Remove the swab from the pouch and collect the specimen;
2. Place the swab into the extraction vial;
3. Rotate the swab vigorously;
4. Remove the swab by rotating against the extraction vial while squeezing the sides of the vial to release the liquid from the swab; Properly discard the swab.
5. Close the vial with the provided cap and push firmly onto the vial; Mix thoroughly by flicking the bottom of the tube.

| P/N | DESCRIPTION | PACKING |
|-----------|---|-----------------------------|
| 2118-1901 | 1.5ml tube with 300µL preservation solution + 1pc sterile NP swab | 100sets/box, 800sets/carton |
| 2118-1950 | 1.5ml tube with 300µL preservation solution + 1 saliva collector | 100sets/box, 800sets/carton |

Plastic Loops**STERILE | R**

Disposables for collection and inoculation by streaking or puncturing method

- Smooth surface, guarantee the even and fluent streaking
- Color-coded sizes for easy identification
- Polygonal shaft is easy to grasp, operate and control its direction
- Rigid and flexible loops available upon requests
- Supplied with Individual peel pack (easy peel-open) and Zip-lock pack (tamperproof and re-sealable), eliminates the risk of contamination



Packing:

Type A: 20pcs/zip-lock pack, 1,000pcs/dispenser box, 10,000pcs/carton
 Type B: 10pcs/zip-lock pack, 1,000pcs/dispenser box, 10,000pcs/carton
 Type C: 5pcs/zip-lock pack, 500pcs/dispenser box, 5,000pcs/carton
 Type D: individual peel pack, 500pcs/dispenser box, 5,000pcs/carton

ZIP-LOCK PACK

Hexagonal shaft with stripes

Plastic Loops**STERILE | R**

Disposables for collection and inoculation by streaking or puncturing method

- Smooth surface, guarantee the even and fluent streaking
- Color-coded sizes for easy identification
- Polygonal shaft is easy to grasp, operate and control its direction
- Rigid and flexible loops available upon requests
- Supplied with Individual peel pack (easy peel-open) and Zip-lock pack (tamperproof and re-sealable), eliminates the risk of contamination



Packing:

Type A: 20pcs/zip-lock pack, 1,000pcs/dispenser box, 10,000pcs/carton
 Type B: 10pcs/zip-lock pack, 1,000pcs/dispenser box, 10,000pcs/carton
 Type C: 5pcs/zip-lock pack, 500pcs/dispenser box, 5,000pcs/carton
 Type D: individual peel pack, 500pcs/dispenser box, 5,000pcs/carton

ZIP-LOCK PACK

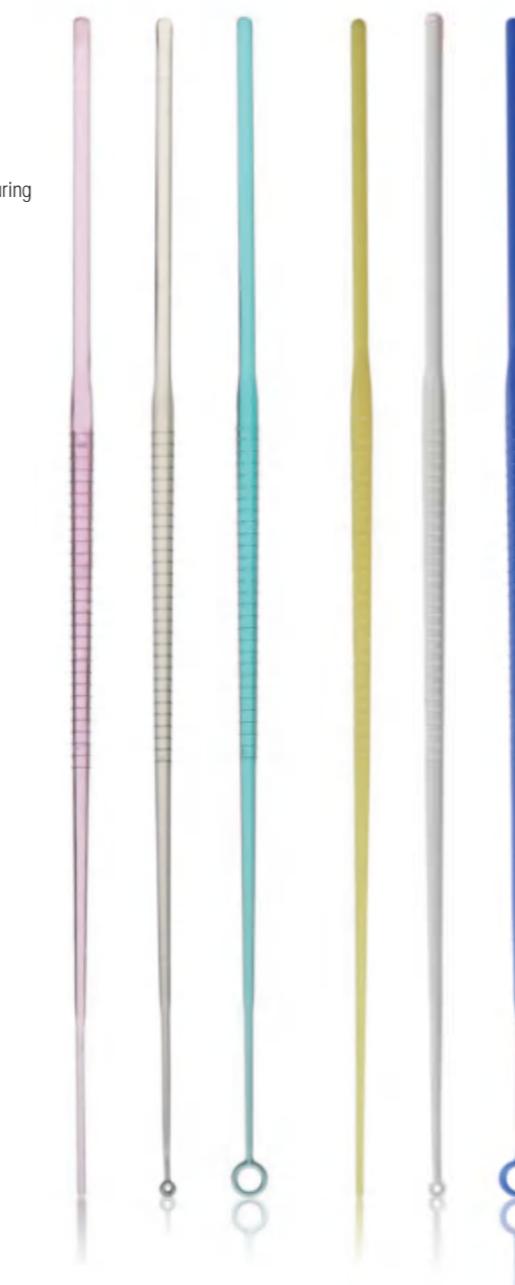
Quadrangled shaft with stripes

Rigid Loops

PS material, hexagonal shaft with stripes, ideal for collection of single colony and inoculation by puncturing

**1μL Loop****10μL Loop****Needle**

| P/N | COLOR | PACKING | P/N | COLOR | PACKING | P/N | COLOR | PACKING |
|-----------|---------|---------|-----------|-------|---------|-----------|--------|---------|
| 2121-1001 | Neutral | TYPE A | 2121-1005 | Blue | TYPE A | 2121-1009 | Violet | TYPE A |
| 2121-1002 | Neutral | TYPE B | 2121-1006 | Blue | TYPE B | 2121-1010 | Violet | TYPE B |
| 2121-1003 | Neutral | TYPE C | 2121-1007 | Blue | TYPE C | 2121-1011 | Violet | TYPE C |
| 2121-1004 | Neutral | TYPE D | 2121-1008 | Blue | TYPE D | 2121-1012 | Violet | TYPE D |

**Rigid Loops**

AS material, quadrangled shaft with stripes, ideal for collection single colony and inoculation by puncturing

**1μL Loop + Incorporated needle****10μL + 1μL Loop****10μL Loop + Incorporated needle**

| P/N | COLOR | PACKING | P/N | COLOR | PACKING | P/N | COLOR | PACKING |
|-----------|---------|---------|--------------|--------|---------|--------------|-------|---------|
| 2121-0001 | Neutral | TYPE A | 2121-0009-17 | Yellow | TYPE A | 2121-0005-02 | Blue | TYPE A |
| 2121-0002 | Neutral | TYPE B | 2121-0010-17 | Yellow | TYPE B | 2121-0006-02 | Blue | TYPE B |
| 2121-0003 | Neutral | TYPE C | 2121-0011-17 | Yellow | TYPE C | 2121-0007-02 | Blue | TYPE C |
| 2121-0004 | Neutral | TYPE D | 2121-0012-17 | Yellow | TYPE D | 2121-0008-02 | Blue | TYPE D |

Flexible Loops

HIPS material, hexagonal shaft with stripes, ideal for inoculation in gel surface by streaking

**1μL Loop****10μL Loop****Needle**

| P/N | COLOR | PACKING | P/N | COLOR | PACKING | P/N | COLOR | PACKING |
|-----------|-------|---------|-----------|-----------|---------|-----------|--------|---------|
| 2121-2001 | White | TYPE A | 2121-2005 | Dark blue | TYPE A | 2121-2009 | Yellow | TYPE A |
| 2121-2002 | White | TYPE B | 2121-2006 | Dark blue | TYPE B | 2121-2010 | Yellow | TYPE B |
| 2121-2003 | White | TYPE C | 2121-2007 | Dark blue | TYPE C | 2121-2011 | Yellow | TYPE C |
| 2121-2004 | White | TYPE D | 2121-2008 | Dark blue | TYPE D | 2121-2012 | Yellow | TYPE D |

**Flexible Loops**

ABS material, quadrangled shaft with stripes, ideal for collection single colony and inoculation by puncturing

**1μL Loop + Incorporated needle****10μL + 1μL Loop****10μL Loop + Incorporated needle**

| P/N | COLOR | PACKING | P/N | COLOR | PACKING | P/N | COLOR | PACKING |
|-----------|---------|---------|--------------|--------|---------|--------------|-------|---------|
| 2121-0027 | Neutral | TYPE A | 2121-0035-17 | Yellow | TYPE A | 2121-0031-02 | Blue | TYPE A |
| 2121-0028 | Neutral | TYPE B | 2121-0036-17 | Yellow | TYPE B | 2121-0032-02 | Blue | TYPE B |
| 2121-0029 | Neutral | TYPE C | 2121-0037-17 | Yellow | TYPE C | 2121-0033-02 | Blue | TYPE C |
| 2121-0030 | Neutral | TYPE D | 2121-0038-17 | Yellow | TYPE D | 2121-0034-02 | Blue | TYPE D |

Bacteriological Petri Dishes**STERILE | EO****Petri Dishes, Plastic Material**

Single-use Petri dishes for microbiological procedures, as well suspension culture or plant cell culture

- Non-cytotoxic virgin polystyrene, excellent optical clarity
- Engineered for optimum flatness to provide uniform agar thickness
- Single or more vents are available: no-vent for anaerobic and long-term work, single vent for limiting gas exchange, multi vents for improving gas exchange



Compartmented Dishes



Square Dishes



Contact Plates

General petri Dishes

90 and 150mm Petri dishes are manufactured in accordance with standard ISO 24998:2008, ideal for use with most automatic filling machine

| P/N | DESCRIPTION | PACKING |
|-----------|-------------------------|--------------------------------|
| 2303-1035 | 35×15mm, 1Room | 10pcs/polybag, 3000pcs/carton |
| 2303-1049 | 49×13mm, 1Room | 10pcs/polybag, 1,000pcs/carton |
| 2303-1055 | 55×15mm, 1Room | 10pcs/polybag, 1,000pcs/carton |
| 2303-1060 | 60×15mm, 1Room/3 vents | 10pcs/polybag, 1,000pcs/carton |
| 2303-1070 | 70×15mm, 1Room | 10pcs/polybag, 900pcs/carton |
| 2303-1090 | 90×15mm, 1Room/3 vents | 10pcs/polybag, 500pcs/carton |
| 2303-1150 | 150×15mm, 1Room/3 vents | 10pcs/polybag, 200pcs/carton |

Compartmented Dishes

Ideal for different media on same dish, or meet the requirement of saving incubator space

| P/N | DESCRIPTION | PACKING |
|-----------|-------------------------|------------------------------|
| 2303-2090 | 90×15mm, 2Rooms/3 vents | 10pcs/polybag, 500pcs/carton |
| 2303-3090 | 90×15mm, 3Rooms/3 vents | 10pcs/polybag, 500pcs/carton |

Square Dishes

Noncompartmented, ideal for antibiotic sensitivity testing

| P/N | DESCRIPTION | PACKING |
|-----------|---------------------|-----------------------------|
| 2303-5130 | 130×130×15mm, 1Room | 1pcs/polybag, 150pcs/carton |

Contact Plates

10×10mm counting net, alphanumeric, facilitates colony counting and locating

| P/N | DESCRIPTION | PACKING |
|-----------|------------------------|--------------------------------|
| 2303-1065 | 65×15mm, 1Room/3 vents | 10pcs/polybag, 1,000pcs/carton |

**Petri Dishes, Glass Material**

3.3 Borosilicate glass, withstand repeated sterilization (wet or dry)

| P/N | SPECIFICATION | PACKING |
|-----------|---------------|---------------|
| 2304-1060 | 60mm x15mm | 288pcs/carton |
| 2304-1075 | 75mm x15mm | 288pcs/carton |
| 2304-2090 | 90mm x18mm | 192pcs/carton |
| 2304-3100 | 100mm x20mm | 192pcs/carton |

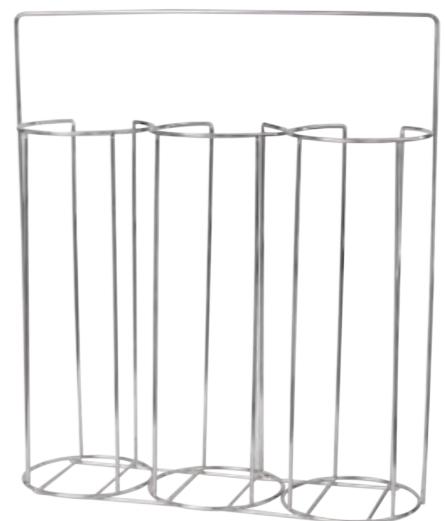
Petri Dish Carrier Rack

Designed for holding and carrying plastic or glass petri dishes

- Made of STAINLESS STEEL Material
- Autoclavable and resistant to universal chemicals
- Highly polished surface, no edges and sharps
- Lightweight, easy to load, safe for transporting

Packing: 1pc/inner box, 5pcs/carton

| P/N | DIM.(mm) | DESCRIPTION |
|-----------|-------------|-----------------------------------|
| 4050-4510 | 340×110×380 | 3 sections, holds 30 petri dishes |



Cell Spreaders

Designed for spreading and dispersing liquids onto the surface of an agar plate
Made of PP material, autoclavable, Supplied with triangle shaped and T shaped



(A) 215x30 mm

| P/N | STERILE | COLOR | PACKING |
|--------------|---------|-------|---------|
| 2400-0001-02 | Gamma | Blue | Type A |
| 2400-0002-02 | - | Blue | Type B |

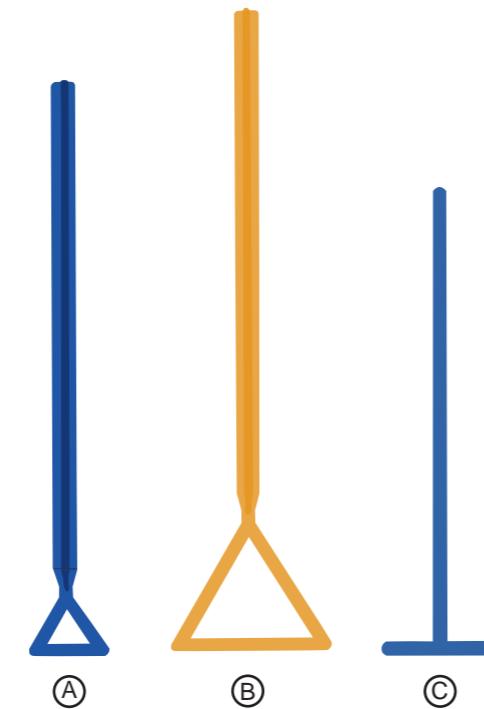
(B) 240x60 mm

| P/N | STERILE | COLOR | PACKING |
|--------------|---------|--------|---------|
| 2400-0003-17 | Gamma | Yellow | Type A |
| 2400-0004-17 | - | Yellow | Type C |

(C) T Shape , 140x35 mm

| P/N | STERILE | COLOR | PACKING |
|--------------|---------|-------|---------|
| 2400-0005-02 | Gamma | Blue | Type D |
| 2400-0006-02 | - | Blue | Type E |

PACKING:
A Individual Peel Pack, 100pcs/dispenser box, 1,000pcs/carton
B 10pcs/polybag, 1000pcs/carton
C 10pcs/polybag, 400pcs/carton
D Individual Peel Pack, 400pcs/dispenser box, 4,000pcs/carton
E 10pcs/polybag, 500pcs/carton

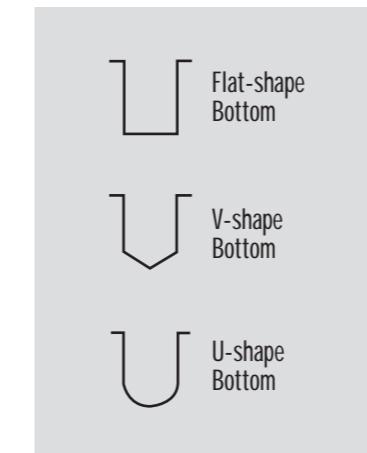


Multiwell Plates

STERILE R

Ideal for a wide range of applications, such as agglutination reactions and washing in ELISAs (U bottom), centrifugation and sedimentation (V bottom), colorimetric assays and suspension cell cultures (Flat bottom)
Dimensions conform to ANSI/SBS microplate standard, compatible with standard and automated equipments

- High optical clarity and low background interference
- Alpha-Numeric codes for easy identification
- A locking one-way lid minimizes evaporation during long-term incubation
- Stackable

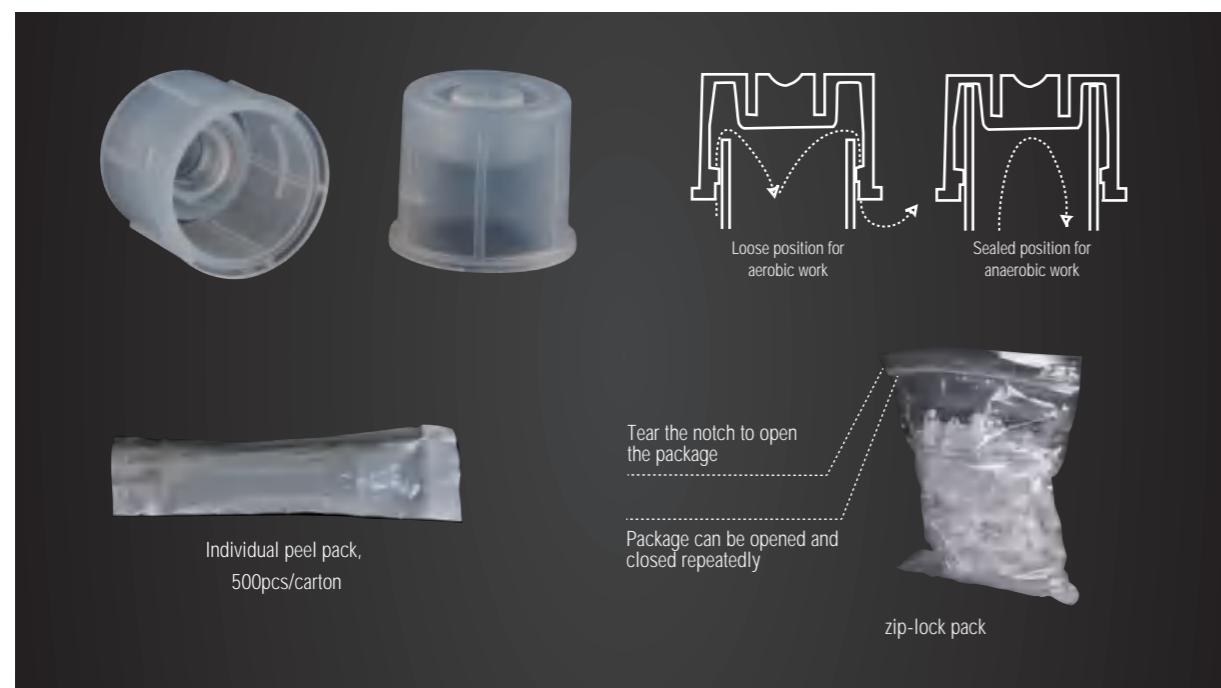


PS material

| P/N | SPECIFICATION | PACKING |
|-----------|---|-------------------------------------|
| 2305-0001 | U-shape bottom, without lid | Individual flow pack, 100pcs/carton |
| 2305-0002 | U-shape bottom, with lid | Individual flow pack, 100pcs/carton |
| 2305-0003 | V-shape bottom, without lid | Individual flow pack, 100pcs/carton |
| 2305-0004 | V-shape bottom, with lid | Individual flow pack, 100pcs/carton |
| 2305-0005 | Flat-shape bottom, without lid | Individual flow pack, 100pcs/carton |
| 2305-0006 | Flat-shape bottom, with lid | Individual flow pack, 100pcs/carton |
| 2305-0101 | Optional Lids for Microplate 96 wells U shape bottom | Individual flow pack, 200pcs/carton |
| 2305-0102 | Optional Lids for Microplate 96 wells V & Flat shape bottom | Individual flow pack, 200pcs/carton |

Culture Tube with Dual-position Cap

Dual-position ribbed PE cap, loose position for aerobic work or sealed for anaerobic cultures. Sterilized by Gamma radiation. Zip-lock package, tamper-proof and re-sealable package reduce the risk of contaminations



Individual peel pack,
500pcs/carton



PP culture tubes, Without graduation

| P/N | VOL.(mL) | DIM.(mm) | PACKING |
|-----------|----------|------------|---------------------------------------|
| 4004-1004 | 5ml | Φ 12 × 75 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1005 | 5ml | Φ 12 × 75 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1006 | 5ml | Φ 12 × 75 | Individual peel pack, 500pcs/carton |
| 4004-1028 | 15ml | Φ 17 × 100 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1029 | 15ml | Φ 17 × 100 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1030 | 15ml | Φ 17 × 100 | Individual peel pack, 500pcs/carton |

PP culture tubes, With graduation

| P/N | VOL.(mL) | DIM.(mm) | PACKING |
|-----------|----------|------------|---------------------------------------|
| 4004-1010 | 5ml | Φ 12 × 75 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1011 | 5ml | Φ 12 × 75 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1012 | 5ml | Φ 12 × 75 | Individual peel pack, 500pcs/carton |
| 4004-1022 | 15ml | Φ 17 × 100 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1023 | 15ml | Φ 17 × 100 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1024 | 15ml | Φ 17 × 100 | Individual peel pack, 500pcs/carton |

PS culture tubes, Without graduation

| P/N | VOL.(mL) | DIM.(mm) | PACKING |
|-----------|----------|------------|---------------------------------------|
| 4004-1001 | 5ml | Φ 12 × 75 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1002 | 5ml | Φ 12 × 75 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1003 | 5ml | Φ 12 × 75 | Individual peel pack, 500pcs/carton |
| 4004-1034 | 7ml | Φ 12 × 100 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1035 | 7ml | Φ 12 × 100 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1036 | 7ml | Φ 12 × 100 | Individual peel pack, 500pcs/carton |
| 4004-1025 | 15ml | Φ 17 × 100 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1026 | 15ml | Φ 17 × 100 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1027 | 15ml | Φ 17 × 100 | Individual peel pack, 500pcs/carton |

PS culture tubes, With graduation

| P/N | VOL.(mL) | DIM.(mm) | PACKING |
|-----------|----------|------------|---------------------------------------|
| 4004-1007 | 5ml | Φ 12 × 75 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1008 | 5ml | Φ 12 × 75 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1009 | 5ml | Φ 12 × 75 | Individual peel pack, 500pcs/carton |
| 4004-1019 | 15ml | Φ 17 × 100 | 25pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1020 | 15ml | Φ 17 × 100 | 125pcs/zip-lock pack, 1,000pcs/carton |
| 4004-1021 | 15ml | Φ 17 × 100 | Individual peel pack, 500pcs/carton |

Culture Tubes with Screw Cap

Vol.10ml, 16x100 mm

- PP material
- Cylindrical bottom
- Caps and tubes in neutral color

With Screw Cap Unassembled

| P/N | LABEL | PACKING |
|-----------|-------------------------------------|---------------------------------|
| 4004-1402 | | 10x100tubes + 1x1000caps/carton |
| 4004-1404 | <input checked="" type="checkbox"/> | 10x100tubes + 1x1000caps/carton |

Caps and Tubes separately packed in different polybags and in same carton.



With Screw Cap Assembled

| P/N | LABEL | PACKING |
|-----------|-------------------------------------|---------------------------------|
| 4004-1401 | | 100pcs/polybag, 1,000pcs/carton |
| 4004-1403 | <input checked="" type="checkbox"/> | 100pcs/polybag, 1,000pcs/carton |



MOLECULAR BIOLOGY

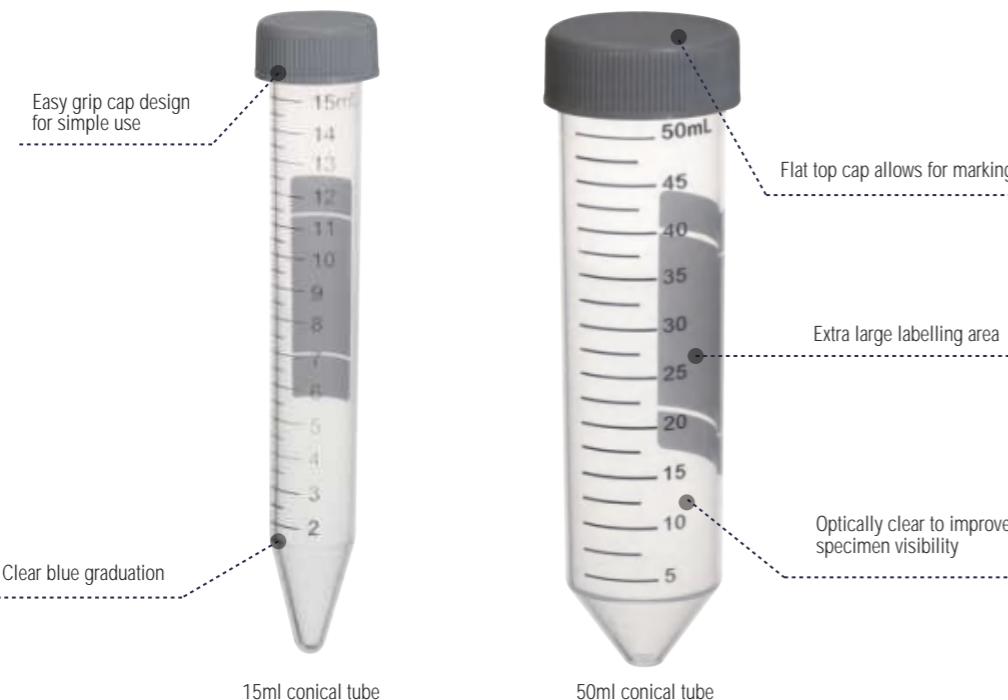
15ml and 50ml Centrifuge Tube

RNase-free DNase-free Non-pyrogenic

95kpa


Intended for daily preparation, centrifugation, transportation, storage of solid and liquid specimens or reagents.

- Consistent biological and physical properties, High transparent, medical grade PP material with flat caps for marking
- RCF rating up to 12,000×g
- Easy-to-read printed graduations and a large white frosted area for labelling
- Leak-proof
- Packed in convenient durable racks or reusable Zip-lock bags

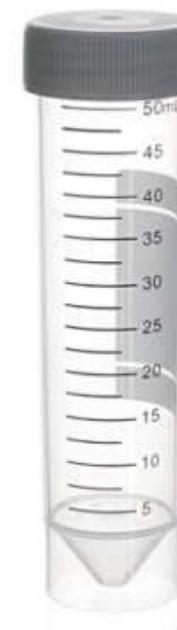


50ml Self-standing, DIM. 30x117mm, Printed graduation range from 5 to 47.5ml, interval at 2.5ml

| P/N | STERILE | PACKING |
|--------------|-------------|------------------------------------|
| 4610-1981 | Gamma | 25pcs/zip-lock bag, 500pcs/carton |
| 4610-1982 | Non sterile | 25pcs/zip-lock bag, 500pcs/carton |
| 4610-1983-02 | Non sterile | 50pcs/bag, 500pcs/carton |
| 4610-1984-02 | E.O. | 1pc/pack, 50pcs/box, 500pcs/carton |

50ml Self-standing, DIM. 30x107mm, Green cap
Printed graduation range from 5 to 50ml, interval at 5ml

| P/N | STERILE | PACKING |
|--------------|--------------|--|
| 4610-1894-08 | Non sterile | 50pcs/bag, 500pcs/carton |
| 4610-1897-08 | Non sterile | 25pcs/zip-lock bag, 500pcs/carton |
| 4610-1895-08 | E.O. sterile | 50pcs/bag, 500pcs/carton |
| 4610-1898-08 | E.O. sterile | 25pcs/zip-lock bag, 500pcs/carton |
| 4610-1896-08 | E.O. sterile | Individual flow pack, 50pcs/box, 500pcs/carton |



50ml conical/self-standing tube

Micro-centrifuge Tube with Safe-lock Cap

Made of high quality of transparent PP material, the new special design of safe lid can be fitted tightly with the rim of tube, and avoid accidental cap opening during centrifugation and thermal stress, especially applicable for expensive or hazardous samples, etc.. The thin membrane lid can be pierced, suitable for the toxic biological substances without generating aerosols.

- Open and close conveniently with one hand: Special safe-lock cap, tight-fitting lid provides a precise and safety sealing
- Thin membrane lid can be pierced by a syringe; Accurate molded graduation for volume estimation
- Flat lid and large frosted area on tube for easy sample identification
- Withstand centrifugation up to 15000×g(1.5ml&2ml)/25000×g(5ml); Guaranteed functionality between -86°C to 121°C

15ml DIM. 17x120mm, Printed graduation range from 1.5 to 15ml, interval at 0.5ml

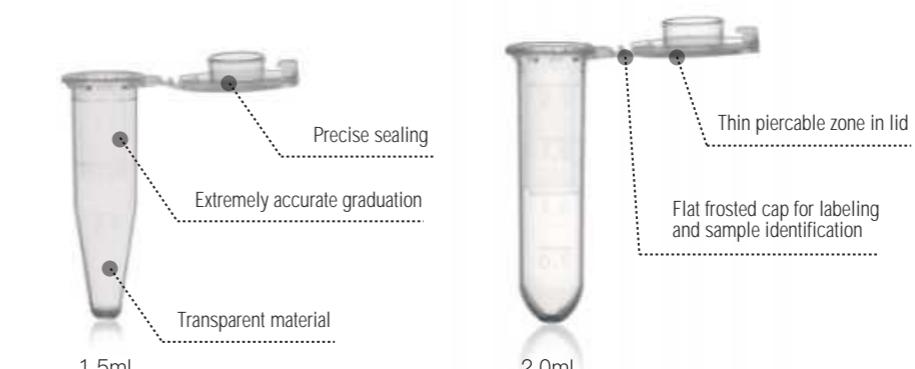
| P/N | STERILE | PACKING |
|-----------|-------------|------------------------------------|
| 4610-1921 | Gamma | 25pcs/rack, 500pcs/carton |
| 4610-1922 | Gamma | 50pcs/zip-lock bag, 500pcs/carton |
| 4610-1923 | Non sterile | 50pcs/zip-lock bag, 500pcs/carton |
| 4610-1924 | E.O. | 1pc/pack, 50pcs/box, 500pcs/carton |

50ml DIM. 30x115mm, Printed graduation range from 5 to 47.5ml, interval at 2.5ml

| P/N | STERILE | PACKING |
|-----------|-------------|------------------------------------|
| 4610-1940 | Gamma | 25pcs/rack, 300pcs/carton |
| 4610-1941 | Gamma | 25pcs/zip-lock bag, 500pcs/carton |
| 4610-1942 | Non sterile | 25pcs/zip-lock bag, 500pcs/carton |
| 4610-1943 | E.O. | 1pc/pack, 50pcs/box, 500pcs/carton |



Zip-lock bag



| P/N | DESCRIPTION | PACKING |
|-----------|---|--------------------------------------|
| 4610-1844 | 1.5ml, Neutral, conical bottom, molded graduation from 0.5-1.5ml, sterile | 500pcs/zip-lock bag, 5,000pcs/carton |
| 4610-1846 | 2.0ml, Neutral, round bottom, molded graduation from 0.5-2.0ml, sterile | 500pcs/zip-lock bag, 5,000pcs/carton |
| 4610-1908 | 5ml, Neutral, conical bottom, molded graduation from 1-5ml, sterile | 200pcs/zip-lock bag, 2,000pcs/carton |

PCR Tubes

Thin-wall polypropylene PCR tubes with attached flat or domed caps for optimal conductivity neutral



0.2 ml PCR tubes, without graduation

| P/N | DESCRIPTION | PACKING |
|-----------|-------------------|-----------------------------------|
| 4610-1819 | 6×21 mm, flat cap | 1000pcs/polybag, 20,000pcs/carton |



0.5 ml PCR tubes, molded graduations at 0.1/0.3/0.5ml, with frosted writing area

| P/N | DESCRIPTION | PACKING |
|-----------|------------------------------------|-----------------------------------|
| 4610-1821 | 7.8×30 mm, flat cap, W/safety lock | 1000pcs/polybag, 10,000pcs/carton |

0.2 mL PCR Tubes in Strips**VOL. 0.2 mL**

8 tube strip + 8 domed cap strip

| P/N | COLOR | PACKING |
|-----------|---------|---|
| 5460-2001 | Neutral | 200stripes/polybag, 3,000stripes/carton |

**VOL. 0.2 mL**

12 tube strip + 12 domed cap strip

| P/N | COLOR | PACKING |
|-----------|---------|---|
| 5460-2006 | Neutral | 200stripes/polybag, 3,000stripes/carton |

**PCR Storage Box**

100-place (10x10) storage box for microcentrifuge tubes
Autoclavable, non-sterile, PP material



| P/N | DESCRIPTION | PACKING |
|--------------|--|---------------------------|
| 5440-2103-02 | For microcentrifuge tubes, Blue Box with Transparent Lid | 1pc/polybag, 50pcs/carton |

Screw Cap Micro Tubes

RNase-free, DNase-free, Non-pyrogenic

The secure screw cap with O-ring seal in conjunction with the robust design makes the screw cap micro tube indispensable in your lab. They are ideal for centrifugation, transport, storage, and short-term cold storage.

- Made from 100% virgin polypropylene to help ensure maximum clarity for biological-based work
- Uniform wall thickness to withstand RCF 12000 xg
- Knurled Cap helps you achieve a firm grip when opening and closing
- Knurled lock tube into specialty racks for single-handed operation
- Screw cap micro tubes are available with the option of multicolored caps, attached or unattached cap

Packing: 100pcs/bag, 1000pcs/carton

| P/N | VOL.(ML) | STERILE |
|-----------|----------|---------|
| 4004-1835 | 1.5 | Sterile |
| 4004-1836 | 2 | Sterile |



Cryogenic Tube

RNase-free | DNase-free | Non-pyrogenic

Do not use Cryogenic tubes in the liquid phase of liquid nitrogen.

These cryogenic tubes are suited for research and general laboratory storage of cell cultures, bacteria and other samples in the vapor phase of liquid nitrogen.

- Produced from virgin PP material, the cap with a silicone gasket mounted in cap for additional leak-proof assurance
- Large writing areas for more sample information printed graduation for accurate measurement
- Sterilized and certified non-pyrogenic and RNase-free and DNase-free
- Self standing, star shaped and round bottom are available



External Thread (1ml/2ml/4ml/5ml)

External Thread (2ml/5ml)



Type A

Type B

Type C

Cryogenic Tube, External Thread, PP Material

External thread type can minimize liquid retention.

| P/N | TYPE | VOL.(mL) | DIM.(H X OD)(mm) | GRADUATION(mL) | PACKING |
|-----------|------|----------|------------------|---------------------|--|
| 4004-1749 | A | 1.0 | 41 x12.4 | 0.5/1.0 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1725 | A | 2.0 | 48.5 x12.4 | 0.5/1.0/1.8 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1744 | B | 2.0 | 48.5 x12.4 | 0.5/1.0/1.8 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1745 | C | 2.0 | 48.5 x12.4 | 0.5/1.0/1.8 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1754 | A | 4.0 | 70.3 x12.4 | 1.0/2.0/3.0/3.6 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |
| 4004-1726 | A | 5.0 | 91.3 x12.4 | 1.0/2.0/3.0/4.0/4.5 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |
| 4004-1746 | B | 5.0 | 91.3 x12.4 | 1.0/2.0/3.0/4.0/4.5 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |
| 4004-1737 | C | 5.0 | 91.3 x12.4 | 1.0/2.0/3.0/4.0/4.5 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |

Cryogenic Tube, Internal Thread, PP Material

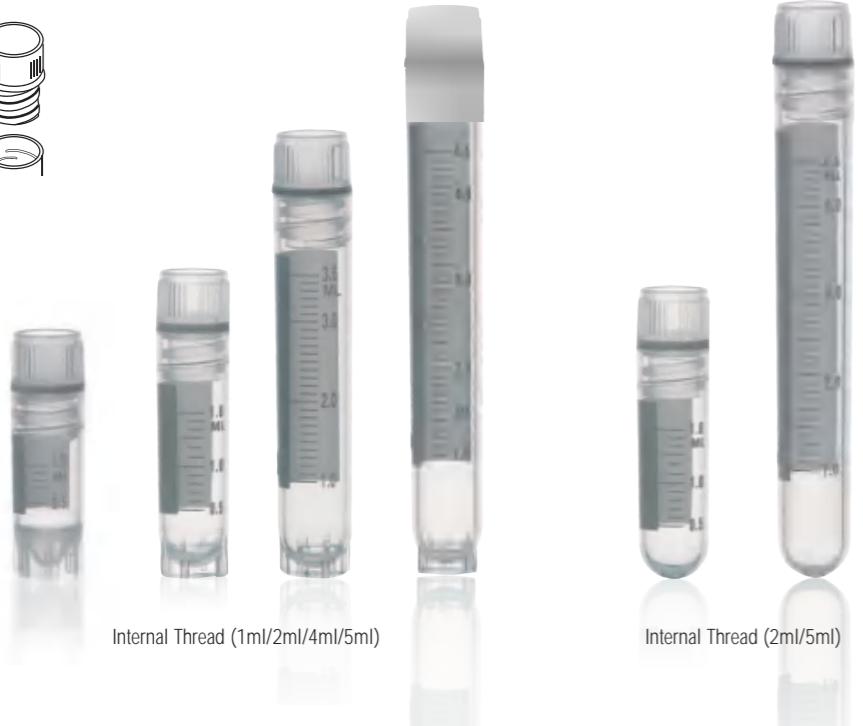
Internal thread type can minimize liquid retention and suit for storage in the vapor phase of liquid nitrogen.

| P/N | TYPE | VOL.(mL) | DIM.(H X OD)(mm) | GRADUATION(mL) | PACKING |
|-----------|------|----------|------------------|---------------------|--|
| 4004-1721 | A | 1.0 | 41 x12.3 | 0.5/1.0 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1722 | A | 2.0 | 49 x12.3 | 0.5/1.0/1.8 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1741 | B | 2.0 | 49 x12.3 | 0.5/1.0/1.8 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1742 | C | 2.0 | 49 x12.3 | 0.5/1.0/1.8 | 50pcs/zip-lock bag, 500pcs/inner box, 2000pcs/carton |
| 4004-1723 | A | 4.0 | 70.3 x12.3 | 1.0/2.0/3.0/3.6 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |
| 4004-1738 | A | 5.0 | 91.3 x12.4 | 1.0/2.0/3.0/4.0/4.5 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |
| 4004-1739 | B | 5.0 | 91.3 x12.4 | 1.0/2.0/3.0/4.0/4.5 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |
| 4004-1740 | C | 5.0 | 91.3 x12.4 | 1.0/2.0/3.0/4.0/4.5 | 25pcs/zip-lock bag, 250pcs/inner box, 1000pcs/carton |

Cap Insert, PP Material

Supplied with assorted colors, precisely fit into the cap of cryogenic tube and feature a hole for easy removing from the cap, ideal for color coding and sample identification in freezers, or on bench-tops.

| P/N | COLOR | PACKING |
|--------------|--------|----------------------------|
| 4004-1709-16 | White | 100pcs/bag, 1000pcs/carton |
| 4004-1709-02 | Blue | 100pcs/bag, 1000pcs/carton |
| 4004-1709-13 | Red | 100pcs/bag, 1000pcs/carton |
| 4004-1709-08 | Blue | 100pcs/bag, 1000pcs/carton |
| 4004-1709-17 | Yellow | 100pcs/bag, 1000pcs/carton |



Internal Thread (1ml/2ml/4ml/5ml)

Internal Thread (2ml/5ml)



Internal Thread (2ml/5ml)



General Cryotube

Designed for the storage and transportation of biological specimens
Temperature range: -70 °C to 121°C

| P/N | VOL.(mL) | GRADUATION | PACKING |
|-----------|----------|-----------------|----------------------------------|
| 4004-1703 | 1.8 | 0.5/1.0/1.8ml | 500pcs/polybag, 10,000pcs/carton |
| 4004-1701 | 4 | Without | 500pcs/polybag, 5,000pcs/carton |
| 4004-1702 | 5 | 0.5ml up to 5ml | 200pcs/polybag, 2,000pcs/carton |

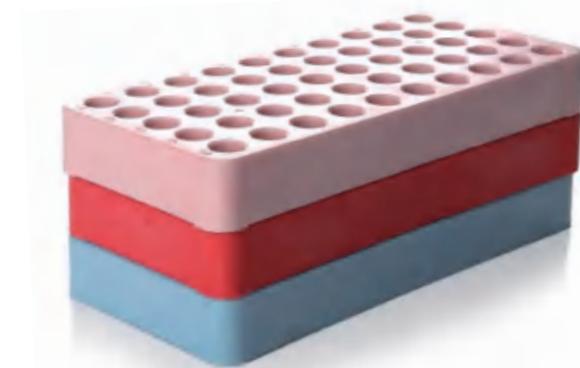


Workstation Rack

This workstation rack accommodates both round bottom and self-standing cryogenic tubes. The self-standing tubes lock into the rack for easily one-handed opening and closing of caps.

- Dimension: 208(L)x93(W)x25(H)mm
- Each position is identified with an alphanumeric index
- The rack is compact and stackable

| P/N | COLOR | PACKING |
|--------------|--------|-----------------------|
| 2510-1501-02 | Blue | 1pc/bag, 50pcs/carton |
| 2510-1501-13 | Red | 1pc/bag, 50pcs/carton |
| 2510-1501-08 | Green | 1pc/bag, 50pcs/carton |
| 2510-1501-09 | Purple | 1pc/bag, 50pcs/carton |
| 2510-1501-12 | Pink | 1pc/bag, 50pcs/carton |

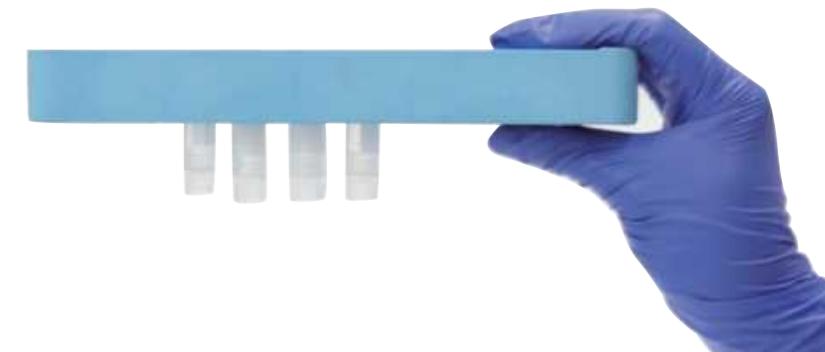
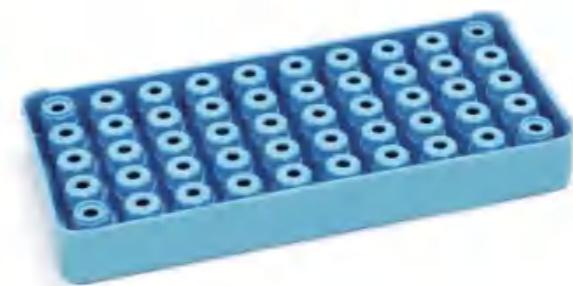


Freezing Container

Designed for use with the entire portfolio of cryogenic storage tubes, the freezing containers provide simple cooling of samples at the optimal rate to preserve cells.

- Polycarbonate jar, HDPE closure and tube holder, foam insert
- Optimal cooling: provides critical, repeatable -1 °C/ minute cooling rate required for successful cell cryopreservation and recovery.
- With units and inserts available for 1.0, 1.8 and 2.0 tubes. Holds 18 tubes.

Packing: 1pc/inner box, 8pcs/carton



| P/N | CLOSURE SIZE (mm) | DIM.(DIA.*H) (mm) | NUMBER OF TUBES HELD | VOLUME ISOPROPYL ALCOHOL (mL) |
|-----------|-------------------|-------------------|----------------------|-------------------------------|
| 2510-1701 | 120 | 117*86 | 18 | 250 |



Cryo Vial Rack

Designed for storing 1.0 ~ 10ml cryogenic vials above the ultra-low temperature -350 °C

- Aluminum Block Material
- Autoclavable and resistant to universal chemicals
- Maintains temperature through direct contact with ice, dry ice, water, liquid nitrogen
- High durability and non-deformation

| P/N | PLACE LAYOUT | DIM.(mm) | COLOR | PACKING |
|-----------|--------------|------------|-------|-----------------------------|
| 4050-4513 | 5×7 | 135×100×36 | Blue | 1pc/inner box, 20pcs/carton |

Freezing Box

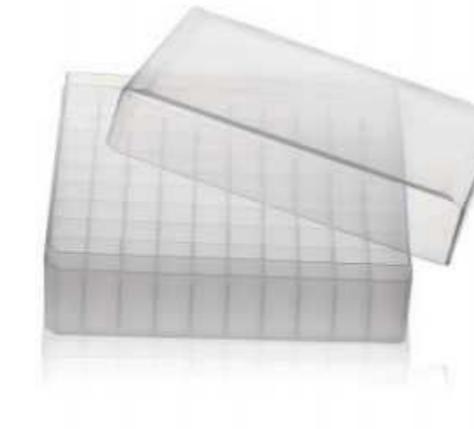
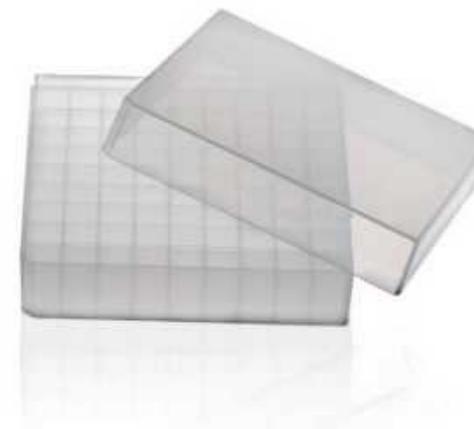
Designed for storing 1.8ml cryotubes within temperature ranges of -196°C to 121°C

PP Material

Packing: 1pc/polybag, 50pcs/carton

Box, bottom & lid separated

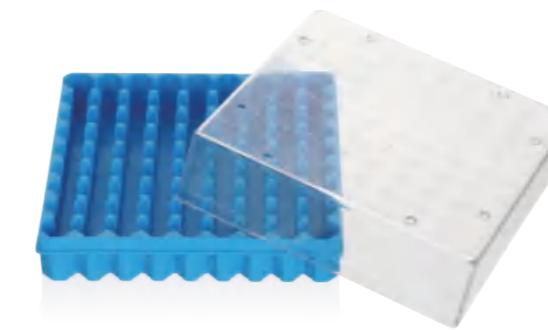
| P/N | PLACE | PLACE LAYOUT |
|-----------|-------|--------------|
| 2510-1101 | 81 | 9 x 9 |
| 2510-1102 | 100 | 10 x 10 |

**Box, with hinged-lid**

| P/N | COLOR | PLACE | PLACE LAYOUT |
|--------------|---------|-------|--------------|
| 2510-1104-02 | Blue | 100 | 10 x 10 |
| 2510-1104-17 | Yellow | 100 | 10 x 10 |
| 2510-1104 | Neutral | 100 | 10 x 10 |

**Cryogenic Storage Box****With Transparent Lid, PC Material**

- Printed numerical grid for easy identification
- Transparent lid for viewing contents
- Each box features one angled corner to guarantee proper alignment of the grid
- Autoclavable
- Boxes have vent holes for drainage and rapid freezing
- Fits in stainless steel freezer racks



| P/N | DESCRIPTION | FOR CRYOGENIC TUBE | PACKING |
|-----------|-------------------|------------------------|------------------------|
| 2510-1106 | 81-place (9*9) | 1-2ml, external thread | 1pc/bag, 100pcs/carton |
| 2510-1107 | 100-place (10*10) | 1-2ml, internal thread | 1pc/bag, 100pcs/carton |

Ice Bucket

Suitable for use with ice, dry ice, dry ice alcohol slurries and liquid nitrogen within temperature ranges of -196°C to 93°C

- Made of EVA Foam, non-toxic and tasteless
- High durability and excellent insulation
- Chemical resistant and inert to moisture, odors, acetone and dry ice
- Secure handling and transport with molded handles
- Different dimension and color are optional

**Large**

Packing: 1pc/inner box, 12pcs/carton

| P/N | DIMENSION(MM)(TOPXBOTTOMXHEIGHT) | COLOR |
|--------------|----------------------------------|--------|
| 2513-0001-17 | 255×160×175 | Yellow |
| 2513-0001-13 | 255×160×175 | Red |
| 2513-0001-02 | 255×160×175 | Blue |
| 2513-0001-08 | 255×160×175 | Green |

Medium

Packing: 1pc/inner box, 8pcs/carton

| P/N | DIMENSION(MM)(TOPXBOTTOMXHEIGHT) | COLOR |
|--------------|----------------------------------|--------|
| 2513-0002-17 | 255×190×115 | Yellow |
| 2513-0002-13 | 255×190×115 | Red |
| 2513-0002-02 | 255×190×115 | Blue |
| 2513-0002-08 | 255×190×115 | Green |

Freezing Box, Cardboard

Designed for the long-term storage of cryogenic vials and centrifuge tubes in freezer rack systems

Each box has a liquid resistant coating

Storage Box for 15ml Centrifuge Tubes

Place: 36 <6 x 6>, Dimensions: 150x150x122 mm
For diam.17x120mm (15ml) centrifuge tubes

| P/N | COLOR | PACKING |
|--------------|--------|--------------|
| 2510-1461-16 | White | 48pcs/carton |
| 2510-1462-02 | Blue | 48pcs/carton |
| 2510-1463-13 | Red | 48pcs/carton |
| 2510-1464-17 | Yellow | 48pcs/carton |
| 2510-1465-10 | Orange | 48pcs/carton |
| 2510-1466-08 | Green | 48pcs/carton |



| P/N | PACKING |
|-------------|--|
| * 2511-1499 | Replacement grid inserts(6x6), 12pcs/polybag, 40x12 pcs/carton |

Storage Box for 50ml Centrifuge Tubes

Place:16 <4 x 4>, Dimensions: 150x150x122 mm
For diam. 30x115mm (50ml) centrifuge tubes

| P/N | COLOR | PACKING |
|--------------|--------|--------------|
| 2510-1407-16 | White | 48pcs/carton |
| 2510-1408-02 | Blue | 48pcs/carton |
| 2510-1409-13 | Red | 48pcs/carton |
| 2510-1410-17 | Yellow | 48pcs/carton |
| 2510-1411-10 | Orange | 48pcs/carton |
| 2510-1412-08 | Green | 48pcs/carton |



| P/N | PACKING |
|-------------|---|
| * 2511-1491 | Replacement grid inserts(4x4), 12pcs/polybag, 40x12pcs/carton |



Box, with Exchange Holes

With 2 drain Dim. 27x5mm for drainage and rapid freezing

Each box is made of heavy-duty cardboard with white waterproof coating, the suitable working temperature range is -196 °C to 121 °C.

| P/N | PLACE LAYOUT | DIM.(mm) | FOR TUBES | PACKING |
|-----------|--------------|-------------|-------------------|--------------|
| 2510-1459 | 6 x 6 | 150x150x122 | 15ml conical tube | 48pcs/carton |
| 2510-1460 | 4 x 4 | 150x150x122 | 50ml conical tube | 48pcs/carton |
| 2510-1461 | 8 x 8 | 134x134x51 | 2" Cryotubes | 96pcs/carton |
| 2510-1462 | 9 x 9 | 134x134x51 | 2" Cryotubes | 96pcs/carton |
| 2510-1463 | 10 x 10 | 134x134x51 | 2" Cryotubes | 96pcs/carton |
| 2510-1464 | 8 x 8 | 134x134x76 | 3" Cryotubes | 48pcs/carton |
| 2510-1465 | 9 x 9 | 134x134x76 | 3" Cryotubes | 48pcs/carton |
| 2510-1466 | 10 x 10 | 134x134x76 | 3" Cryotubes | 48pcs/carton |

Box, with Color Printing



Storage Box for 2" Tall Cryotube

64-place, 81-place, and 100-place, assorted colors are available
Dimensions: 134x134x51mm, 96pcs/carton

* Replacement grid inserts

| 64 PLACE (8X8) | 81 PLACE (9X9) | 100 PLACE (10X10) | COLOR |
|----------------|----------------|-------------------|--------|
| 2510-1413-16 | 2510-1419-16 | 2510-1425-16 | White |
| 2510-1414-02 | 2510-1420-02 | 2510-1426-02 | Blue |
| 2510-1415-13 | 2510-1421-13 | 2510-1427-13 | Red |
| 2510-1416-17 | 2510-1422-17 | 2510-1428-17 | Yellow |
| 2510-1417-10 | 2510-1423-10 | 2510-1429-10 | Orange |
| 2510-1418-08 | 2510-1424-08 | 2510-1430-08 | Green |

| 64 PLACE (8X8) | 81 PLACE (9X9) | 100 PLACE (10X10) | PACKING |
|----------------|----------------|-------------------|-----------------------------------|
| * 2511-1493 | * 2511-1494 | * 2511-1495 | * 12pcs/polybag, 40x12 pcs/carton |



Storage Box for 3" Tall Cryotube

64-place, 81-place, and 100-place, assorted colors are available
Dimensions: 134x134x76mm, 48pcs/carton

* Replacement grid inserts

| 64 PLACE (8X8) | 81 PLACE (9X9) | 100 PLACE (10X10) | COLOR |
|----------------|----------------|-------------------|--------|
| 2510-1431-16 | 2510-1437-16 | 2510-1443-16 | White |
| 2510-1432-02 | 2510-1438-02 | 2510-1444-02 | Blue |
| 2510-1433-13 | 2510-1439-13 | 2510-1445-13 | Red |
| 2510-1434-17 | 2510-1440-17 | 2510-1446-17 | Yellow |
| 2510-1435-10 | 2510-1441-10 | 2510-1447-10 | Orange |
| 2510-1436-08 | 2510-1442-08 | 2510-1448-08 | Green |

| 64 PLACE (8X8) | 81 PLACE (9X9) | 100 PLACE (10X10) | PACKING |
|----------------|----------------|-------------------|-----------------------------------|
| * 2511-1496 | * 2511-1497 | * 2511-1498 | * 12pcs/polybag, 40x12 pcs/carton |