



Smart Biotech Labs
Your Life Science Research Partner

PRODUCT CATALOG



YOUR LIFE SCIENCE RESEARCH PARTNER

- ✓ จำหน่ายวัสดุอุปกรณ์ สำหรับห้องปฏิบัติการวิทยาศาสตร์
- ✓ สินค้ารับประกันคุณภาพ
- ✓ ราคาสินค้าดีที่สุด
- ✓ ได้รับสินค้ารวดเร็ว
- ✓ มีบริการให้คำปรึกษาทางเทคนิค

เลือกชม/สั่งซื้อสินค้า ออนไลน์ได้แล้ว

บริษัท เอส ไบโอเทค จำกัด

www.sbiotec.com



บริษัท เอส ไบโอเทค จำกัด 80/379 ถนนพหลโยธิน ต.คลองหนึ่ง อ.คลองหลวง จ.ปทุมธานี
S BIOTEC CO., LTD. 80/379 Khlong Nueng, Khlong Luang, Pathum Thani
E-mail : orders@smartscience.co.th Tel : (+66)98-8250970 Tel : (+66)2-077-7593



02-0777593
098-8093038
098-8250970





Company Background



Smart Biotech Labs or S Biotec Co., Ltd is a subsidiary company of Smart Science Group (Thailand). We provide the high-quality scientific products to assure that our customer will obtain the best possible scientific research solutions and services. We have the mastering to provide more reasonable priced products to our customers without the sacrifice of quality. We value the opportunity to assist our clients to deliver the new products and accomplish the research works and to build a long term successful partner relationship.

Company Strategy

Our purpose: To promote science and technology for the better life

Our vision: One stop shop for all life science & medical science technology expertise

Our mission: To serve our clients as the most trusted partner and fully satisfaction

Our values: Customers, people, financial performance, sustainability, our partner



CONTENTS



4

Pipette Tips



8

Tubes



10

Cryo Tubes



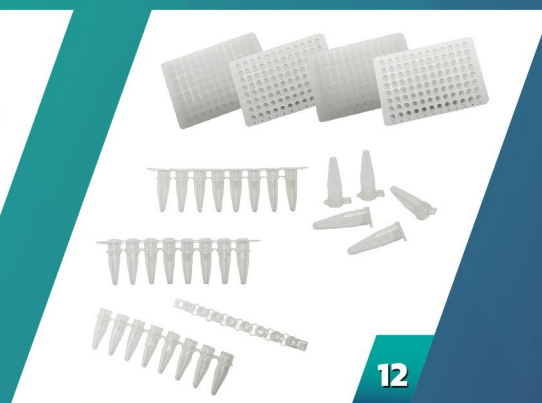
10

Serological Pipettes



11

Plates



12

PCR



14

Racks & Boxes



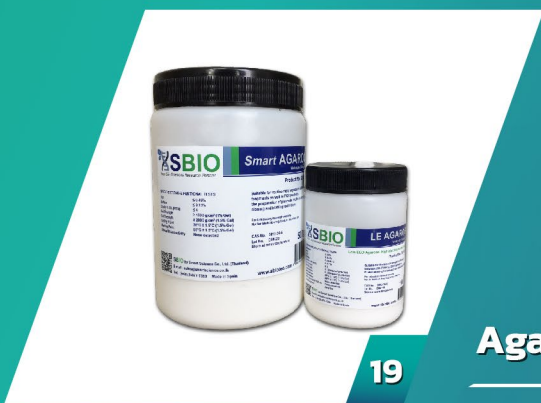
17

Petri Dishes



18

Loop, Needle & Spreader



19

Agarose



Universal Compatible Filter pipette tips

Filter pipette tips serve a dual purpose. They protect pipettes from the aerosols that may build up while aspirating fluids using a pipette. At the same time, they also protect samples from the aerosols resulting from a previous pipetting procedure.

You must use filter pipette tips in all contamination-sensitive molecular biology applications. It helps reduce the possibility of aerosol formation and shields pipette shafts from cross-contamination. Furthermore, the filter barrier prevents PCR contamination by avoiding sample carryover from a pipette.

Currently, almost all tips are universal compatible with eppendorf, Gilson and other brands of pipettes, single channel and multichannel.

All tips are produced in clean room and using robots to equip the filters. Human hands don't touch any part of the tip, in this way, it ensures PCR purity: DNase and RNase free, No human DNA, endotoxin free.

Features:

- As the filter inside the pipette tips is made of porous plastic material, it stops aerosol formation and allows only the sample to pass. However, we also have self-sealing filters that stop all liquid (below the filter) from passing once water touches filter.
- We have a Class 100,000 clean room for manufacturing universal pipette tips. Our smart production line ensures minimal human contact to create sterile pipette tips. Thus, these filter tips are free of DNase, RNase, human DNA, and endotoxins.
- The filter rack comes with color-coded labels, making it convenient for you to use them.

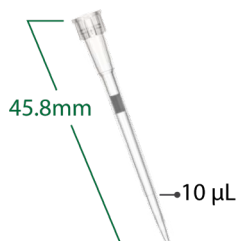
Order Information:

Size	Packaging	Color	Cat No.
10 μ L, Short	96 tips/Rack	Nature	SG1001
10 μ L, Long	96 tips/Rack	Nature	SG1002
20 μ L	96 tips/Rack	Nature	SG1003
200 μ L	96 tips/Rack	Nature	SG1004
1000 μ L	96 tips/Rack	Nature	SG1005
1250 μ L	96 tips/Rack	Nature	SG1006

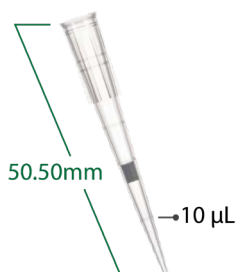
#SG1001



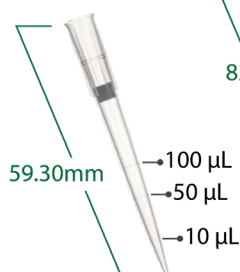
#SG1002



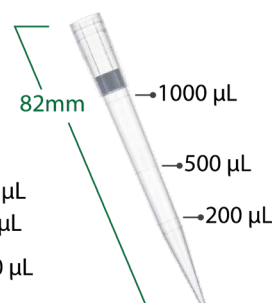
#SG1003



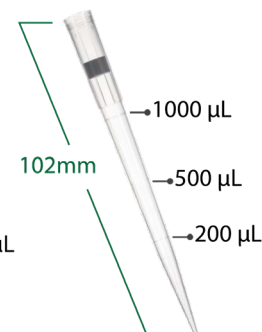
#SG1004



#SG1005



#SG1006



#SG1002



#SG1003



#SG1005



Universal Pipette tips

Researchers often use pipette tips in chemistry, biology, and medical laboratories with pipettes and pipettors for transferring precise volumes of liquids. The low retention pipette tips allow you to make transfers without the risk of cross-contamination. They can be disposable and autoclavable media dispensers.

Features:

- Autoclavable pipette tips (121°C) suitable for repeated sterile use.
- Excellent compatibility with leading pipette brands such as Eppendorf, Gilson, Biohit, RAININ, and Finpipette, among others.

Pipetting Glossary:

- Graduation – It is volume marked in increments, which allows you to estimate the liquid volume.
- Low Retention – Low retention pipette tips reduce sample retention, keeping the wastage to a minimum.
- Micropoint – This design allows you to place the liquid where you exactly need it.
- Long Reach Design – A prolonged length of pipette tips that allows you to transfer liquids without touching the bottom of the tube. It helps prevent cross-contamination.



Order Information:

Size	Packaging	Color	Cat No.
10 µL, Short	96 tips/Rack	Nature	SG1007
10 µL, Short	1000 tips/Bag	Nature	SG1008
10 µL, Long	96 tips/Rack	Nature	SG1009
10 µL, Long	1000 tips/Bag	Nature	SG1010
200 µL	96 tips/Rack	Nature	SG1011
200 µL	1000 tips/Bag	Nature	SG1012
1000 µL	96 tips/Rack	Nature	SG1013
1000 µL	1000 tips/Bag	Nature	SG1014
1250 µL	96 tips/Rack	Nature	SG1015
1250 µL	1000 tips/Bag	Nature	SG1016
5000 µL	24 tips/Rack	Nature	SG1017
5000 µL	100 tips/Bag	Nature	SG1018
10000 µL	24 tips/Rack	Nature	SG1019
10000 µL	100 tips/Bag	Nature	SG1020



For more information, please contact us.



Alternative Robotic tips

Automatic workstations like TECAN or HA need robotic pipette tips for optimal liquid transfers. You can deliver the smallest sample volumes with the highest precision using these robotic tips. That, in turn, helps minimize experiment failures and improve efficiency.

Smart Biotech Labs supplies good quality robotic tips for liquid handling and flexible channel arms designed for liquid handling systems.

Features:

- Available in pre-sterilized packaging.
- Universally compatible design.
- Confers to international quality standards.
- Available in a variety of tip volumes.
- Designed to handle DNA, RNA, radioactive, and infectious samples.
- Stringent and thorough quality testing.

For HA Liquid Handling Systems

Size	Compatibility	Packaging	Cat No.
50 µL, Clear, with Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1021
50 µL, Conductive, with Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1022
50 µL, Clear, Non-Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1023
50 µL, Conductive, Non-Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1024
300 µL, Clear, with Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1025
300 µL, Conductive, with Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1026
300 µL, Clear, Non-Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1027
300 µL, Conductive, Non-Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1028
1000 µL, Clear, with Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1029
1000 µL, Conductive, with Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1030
1000 µL, Clear, Non-Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1031
1000 µL, Conductive, Non-Filter	HA Liquid Handling Systems	96 x 5/Unit	SG1032



For Zymark Liquid Handling Systems

Size	Compatibility	Packaging	Cat No.
50 µL, with Filter	for Zymark Liquid Handling Systems	96 tips/Rack	SG1053
50 µL, Non-Filter	for Zymark Liquid Handling Systems	96 tips/Rack	SG1054
200 µL, with Filter	for Zymark Liquid Handling Systems	96 tips/Rack	SG1055
200 µL, Non-Filter	for Zymark Liquid Handling Systems	96 tips/Rack	SG1056



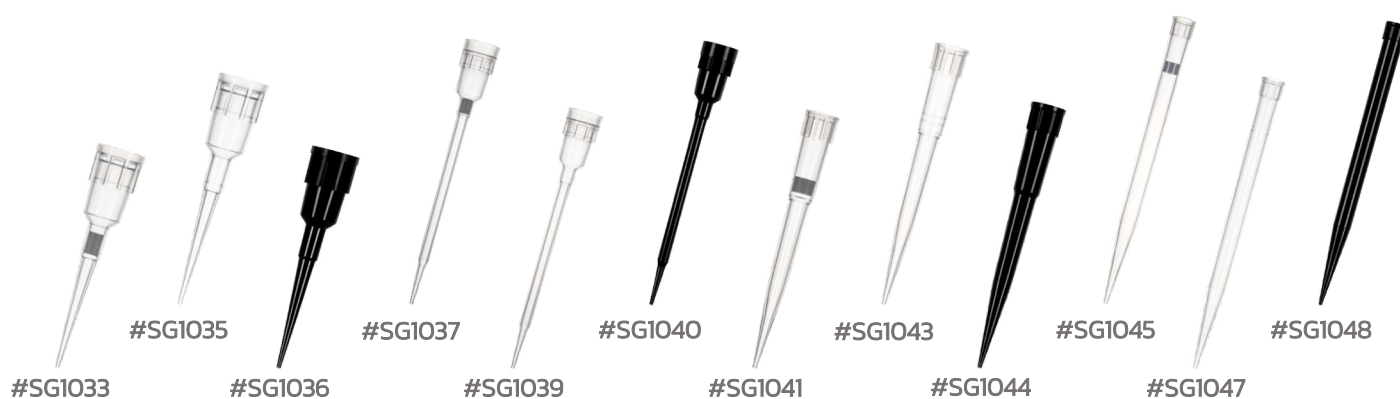
Alternative Robotic tips

Robotic tips for liquid handling and flexible channel arms designed for TECAN liquid handling systems. Filter & Non-filter, Conductive & Clear tips are all available

Smart Biotech Labs supplies good quality robotic tips for liquid handling and flexible channel arms designed for liquid handling systems.

For TECAN Liquid Handling Systems

Size	Compatibility	Packaging	Cat No.
10 μ L, Clear, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1033
10 μ L, Conductive, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1034
10 μ L, Clear, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1035
10 μ L, Conductive, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1036
50 μ L, Clear, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1037
50 μ L, Conductive, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1038
50 μ L, Clear, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1039
50 μ L, Conductive, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1040
200 μ L, Clear, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1041
200 μ L, Conductive, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1042
200 μ L, Clear, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1043
200 μ L, Conductive, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1044
1000 μ L, Clear, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1045
1000 μ L, Conductive, with Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1046
1000 μ L, Clear, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1047
1000 μ L, Conductive, Non-Filter	TECAN, Fressdom EVO and Genesis RSP	96 tips/Rack	SG1048



For TECAN MCA Liquid Handling Systems

Size	Compatibility	Packaging	Cat No.
50 μ L, with Filter	for TECAN MCA Liquid Handling Systems	96 tips/Rack	SG1049
50 μ L, Non-Filter	for TECAN MCA Liquid Handling Systems	96 tips/Rack	SG1050
200 μ L, with Filter	for TECAN MCA Liquid Handling Systems	96 tips/Rack	SG1051
200 μ L, Non-Filter	for TECAN MCA Liquid Handling Systems	96 tips/Rack	SG1052



Micro-centrifuge Tubes

Micro-centrifuge tubes come in handy to store the samples (suspensions and immiscible liquids) that are to be isolated and separated using a microcentrifuge. Usually, these tubes can handle small sample volumes. Researchers use different types of microcentrifuge tubes for different tasks and procedures.

Features:

- The universally compatible design allows you to use these tubes with almost all microcentrifuge brands.
- All micro centrifuge tubes are made from original polypropylene with excellent chemical resistance.
- Conical bottom design ensures efficient sample segregation.
- Could work at centrifuge speed 25,000rpm.
- Flap caps are attached to open and close conveniently.
- Every tube has frosted writing area on the flat cap and the tube.
- Meanwhile, clear graduation on the tube for easier observation.
- All tube are certified to be autoclavable at +125 °C.



Order Information:

Size	Packaging	Color	Cat No.
0.5mL	1000 pcs/Bag	Nature	SG1057
1.5mL	500 pcs/Bag	Nature	SG1058
2.0mL	500 pcs/Bag	Nature	SG1059
5.0mL	200 pcs/Bag	Nature	SG1060

Cap Lock

Fit for	Packaging	Color	Cat No.
1.5mL tube	25 pcs/Bag	Light blue	SG1061
5.0mL tube	25 pcs/Bag	Light blue	SG1062



Centrifuge Tubes

Placed in centrifuges, these glass or plastic tubes can hold samples while rotating at very high velocity without spilling them. Also known as centrifuge vials, you can use them to segregate solids from liquid biochemical solutions. They look a lot like mini test tubes owing to their tapered bottom.

Scientists often use centrifuge tubes for separating solids, liquids, and gases, depending on their density. You can separate solid particles from liquids such as plasma and blood cells. You can do it by spinning centrifuge vials carrying the material at a very high speed. It allows the centrifugal force to push heavier materials to the bottom of the tubes.

Features:

- We use virgin polypropylene to make centrifuge tubes. It is an exceptionally chemical-resistant material.
- They are autoclavable with the ability to endure the temperature of up to 121°C.
- They can withstand high centrifuge speeds with 15ml tubes enduring up to 12,000g while 50ml tube enduring 9,500g.
- With white graduation and a large blank area, it is easy to write on these centrifuge tubes.
- To avoid confusion, tube caps are available in different colors.

Order Information:

Size	Packaging	Type	Cat No.
15mL	25 pcs/Bag	Conical	SG1063
15mL	50 pcs/Foam Rack	Conical	SG1064
25mL	25 pcs/Bag	Conical	SG1065
25mL	25 pcs/Foam Rack	Conical	SG1066
50mL	25 pcs/Bag	Conical	SG1067
50mL	25 pcs/Foam Rack	Conical	SG1068
50mL	25 pcs/Bag	Self-standing	SG1069



Screw Cap Micro Tubes

From a wide range of pre-sterilized tubes, Smart Biotech Labs brings you the best quality screw cap microtubes at the most competitive rates. Made from high-quality polypropylene, these plastic tubes with screw caps can help you store and organize samples effortlessly.

Usually, the screw cap microtubes allow simple and safe processing of sample volumes of up to 5ml. They come particularly in handy for handling valuable cell cultures and hazardous materials. These tubes are perfect for packing, transporting, and storing diagnostic tests.

Features:

- Suitable for a broad operating temperature range.
- It offers centrifugation safety and maximum sample recovery.
- Higher caps for easy handling.
- Graduation ranging from 2.0ml to 0.5ml.
- Available in solid and translucent color caps.
- Color-coding helps to identify samples without opening them.
- Available in amber color to protect the photosensitive samples from damage.
- Completely free of DNase, RNase, human DNA, and Endotoxin.

Order Information:

Size	Packaging	Color	Cat No.
0.5mL	50 pcs/Bag	Nature	SGI071
0.5mL	50 pcs/Bag	Amber	SGI072
1.5mL	50 pcs/Bag	Nature	SGI073
1.5mL	50 pcs/Bag	Amber	SGI074
2.0mL	50 pcs/Bag	Nature	SGI075
2.0mL	50 pcs/Bag	Amber	SGI076



#SGI071



#SGI073



#SGI075



#SGI076

Spin Columns

Spin columns allow commercial DNA extraction in molecular biology laboratories. They comprise a silica resin that selectively binds DNA or RNA depending on the factors involved in the extraction method. As a result, you are left with high-quality material for cloning and long-range sequencing.

Features:

- The material of the membrane: Silica gel.
- These mini spin columns are useful for samples, including E Coli, agarose gel/PCR products, serum plasma, tissue, and whole blood.
- With the right layers of membranes, you can extract various DNAs, including Plasmid DNA, DNA fragments, Viral DNA/RNA, and Genomic DNA

Order Information:

Material of filter	Levels	Packaging	Cat No.
Silicon	4	100 pcs/Bag	SGI104
Silicon	6	100 pcs/Bag	SGI105
Silicon	8	100 pcs/Bag	SGI106



#SGI104



#SGI105



#SGI106



Cryo Tubes

Cryo tubes are storage tubes that help protect and organize valuable samples, as well as streamline the sample identification process. They can be used for storing human or animal cells, and biological material at temperatures as low as -196°C . These tubes are best stored in the gas phase of liquid nitrogen.

Order Information:

Size	Thread	Packaging	Cat No.
1.0mL	External Thread	100 pcs/Bag	SB1001
1.0mL	Internal Thread	100 pcs/Bag	SB1002
2.0mL	External Thread	100 pcs/Bag	SB1003
2.0mL	Internal Thread	100 pcs/Bag	SB1004
3.0mL	External Thread	100 pcs/Bag	SB1005
3.0mL	Internal Thread	100 pcs/Bag	SB1006
4.0mL	External Thread	100 pcs/Bag	SB1007
4.0mL	Internal Thread	100 pcs/Bag	SB1008
5.0mL	External Thread	100 pcs/Bag	SB1009
5.0mL	Internal Thread	100 pcs/Bag	SB1010

Features:

- Made of medical grade polypropylene
- Colored caps optional
- O-ring secures a perfect seal tightness
- Conical bottom and Self-standing type
- Can be repeatedly frozen and thawed
- Universal screw threads
- Tubes fit most common rotors
- Volume 1.0mL, 2.0mL, 3.0mL, 4.0mL, 5.0mL
- Non-sterile, Sterile both are available
- Autoclavable to 121°C and freezable to -196°C



Serological pipettes

Serological pipettes are extremely efficient when it comes to mixing cell suspensions. But, you can also use them to mix reagents and chemicals. These pipettes are useful in moving colonies of cells for additional analysis during treatment or isolation of cell cultures. Furthermore, you can use these pipettes to layer reagents to create density gradients like a ficoll gradient that refines blood plasma.

Features:

- Easily identified with color code
- Optical-grade polystyrene (PS)
- Cotton plugged for safety
- 2 graduation mark
- Individual wrapped
- Accuracy: $\pm 2\%$
- Sterile, non-Pyrogenic, Dnase/Rnase free

Order Information:

Size	Packaging	Min. graduation	Color	Cat No.
1mL	300 pcs/box	1/100mL	Yellow	SG1080
2mL	300 pcs/box	1/100mL	Green	SG1081
5mL	200 pcs/box	1/10mL	Blue	SG1082
10mL	200 pcs/box	1/10mL	Orange	SG1083
25mL	100 pcs/box	2/10mL	Red	SG1084
50mL	75 pcs/box	5/10mL	Purple	SG1085



Deep well plates

Most laboratories use deep well plates for sample collection, in vitro growth chambers, and long-term storage. They are usually made from high-quality polypropylene (PP), which ensures enhanced resistance to chemicals, mechanical stress, and extreme temperatures.

Order Information:

Size	Type	No. Wells	Packaging	Cat No.
1.2mL	Square well, V bottom	96	10 pcs/Bag	SG1086
5.0mL	Rectangle well, V bottom	48	5 pcs/Bag	SG1087
2.2mL	Square well, Conical bottom	96	5 pcs/Bag	SG1088
2.2mL	Square well, V bottom	96	5 pcs/Bag	SG1089
2.0mL	Round well, V bottom	96	5 pcs/Bag	SG1090
2.2mL	Square well, U bottom	96	5 pcs/Bag	SG1091
-	KingFisher, V-bottom, PP, for Duo Prime, Flex and Presto	96	5 pcs/Bag	SH1029
-	KingFisher, 96 tip comb, for deep-well magnets, for Flex and Presto	96	2 pcs/Bag	SH1030
200µL	KingFisher, 96 microplate, for Flex and Presto	96	5 pcs/Bag	SH1031



Detachable ELISA Plates

Researchers often use ELISA plates to detect and quantify target biochemical substances such as peptides, proteins, antibodies, and hormones. The most common application is the blood sample analysis, especially to detect low abundance proteins. ELISA plates are typically made with reagents to ensure optimum protein binding.

Each ELISA 96 well plate confers to the SBS standards. You can use these plates with different brands of ELISA machines. While we use ABS to make the frame, the tube strips are made from GPPS. The detachable design helps researchers save a considerable amount of money by decreasing the costs of enzyme-linked immunosorbent assay.

Features:

- C bottom & F bottom are both available.
- SBS footprint could work with many brands of automatic working station.
- Detachable plate is convenient for researchers to transfer sample for different treatment.

Order Information:

Size	Type	Material	Packaging	Cat No.
0.2mL x 96, C bottom, High binding	Detachable	ABS + PS	10 pcs/Bag	SG1107
0.2mL x 96, C bottom, Middle binding	Detachable	ABS + PS	10 pcs/Bag	SG1108
0.2mL x 96, F bottom, High binding	Detachable	ABS + PS	10 pcs/Bag	SG1109



For more information, please contact us.



PCR Plate

Researchers often use PCR plates in high-throughput screening thermocycler applications due to their compatibility with most thermal cyclers. The uniform and thin walls enable a precise thermal transfer. The wells are often raised slightly to accommodate sealing mat, film, and foil. They are also autoclavable.

You can find different types of 96 well plates such as non-skirt, half-skirt, 0.2ml, 0.1ml, nature color, and white PCR plates. We can help you choose the right PCR plat, depending on your requirements.

Order Information:

Size	Type	Color	Packaging	Cat No.
0.1mL	Non-Skirt	Nature	15 pcs/Box	SG1092
0.1mL	Non-Skirt	White	15 pcs/Box	SG1093
0.2mL	Non-Skirt	Nature	15 pcs/Box	SG1094
0.2mL	Non-Skirt	White	15 pcs/Box	SG1095
0.1mL	Half-Skirt	Nature	15 pcs/Box	SG1096
0.1mL	Half-Skirt	White	15 pcs/Box	SG1097
0.2mL	Half-Skirt	Nature	15 pcs/Box	SG1098
0.2mL	Half-Skirt	White	15 pcs/Box	SG1099
0.2mL	Half-Skirt	Nature	15 pcs/Box	SG1100
0.2mL	Half-Skirt	White	15 pcs/Box	SG1101
0.2mL	Half-Skirt	Nature	15 pcs/Box	SG1102
0.2mL	Half-Skirt	Nature	15 pcs/Box	SG1103



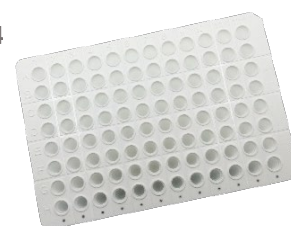
#SG1092



#SG1093



#SG1094



#SG1095



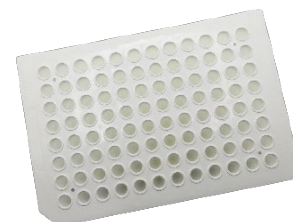
#SG1096



#SG1097



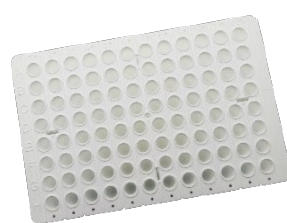
#SG1098



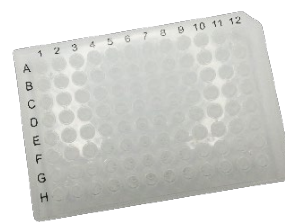
#SG1099



#SG1100



#SG1101



#SG1102



#SG1103

Sealing film

Size	Type	Material	Packaging	Cat No.
8 x 14 cm	for PCR Plate, Adhesive optical clear	PE	1 pc	SH1028



#SH1028



PCR Tubes

PCR tubes are small tubes made of high-quality virgin polypropylene with a conical bottom and snap-cap lead. They have uniform thin walls to facilitate efficient heat transfer to the sample. These tubes are autoclavable and work well with most thermal cyclers.

The most common application of PCR tubes includes various molecular biology/biochemistry experiments requiring real-time PCR (Polymerase Chain Reaction). As these tubes have ultra-thin walls, they are perfect for accurate and steady thermal transfer in an array of thermocyclers. Our thin-wall PCR tubes meet the protocols required for PCR, qPCR, reverse transcriptions, and a variety of other applications.

Features:

- 0.2ml & 0.5ml, transparent.
- RNase-free, DNase-free, Human DNA free
- Non-pyrogenic, Non-Toxic
- Sterile method: Non-sterile or sterilized by Gamma radiation/E.O



#SH1032

Order Information:

Size	Type	Color	Packaging	Cat No.
0.2mL	Single PCR Tube with Flat Cap	Nature	1000 pcs/Bag	SH1032
0.5mL	Single PCR Tube with Flat Cap	Nature	1000 pcs/Bag	SH1033

PCR Strips

PCR strips allow scientists working with cyclers and enzymes to gain enhanced PCR yield through a faster transmission of heat from block to the reaction. It offers better control over the reaction while speeding up the process with high heating and cooling rates.

Features:

- RNase-free, DNase-free
- Chemically resistant to alcohols and mild organic solvents
- Transparent wall permits easy viewing of tube contents
- Temperature range: stable from -20°C to 100°C
- Tested to withstand centrifugation of 6,000 RCF in a fully supported rotor
- Conical bottom design fits most standard floor model and table-top centrifuges
- Extra transparent caps allow for RT-PCR applications

Order Information:

Size	Type	Color	Packaging	Cat No.
0.1mL	8-strip PCR tube, with optical Semi-Domed caps	Nature	125 strips/Bag	SH1034
0.1mL	8-strip PCR tube, with optical Flat caps	Nature	125 strips/Bag	SH1035
0.1mL	8-strip PCR tube, with optical Semi-Domed caps	White	125 strips/Bag	SH1036
0.1mL	8-strip PCR tube, with optical Flat caps	White	125 strips/Bag	SH1037
0.2mL	8-strip PCR tube, with optical Semi-Domed caps	Nature	125 strips/Bag	SH1038
0.2mL	8-strip PCR tube, with optical Flat caps	Nature	125 strips/Bag	SH1039
0.2mL	8-strip PCR tube, with optical Semi-Domed caps	White	125 strips/Bag	SH1040
0.2mL	8-strip PCR tube, with optical Flat caps	White	125 strips/Bag	SH1041
0.1mL	8-strip PCR tube, with attached optical Flat caps	Nature	125 strips/Bag	SH1042
0.2mL	8-strip PCR tube, with attached Flat caps	Nature	125 strips/Bag	SH1043
0.1mL	4-strip PCR tube, with optical Flat caps	Nature	125 strips/Bag	SH1044



#SH1038



#SH1039



Microcentrifuge Tube Racks

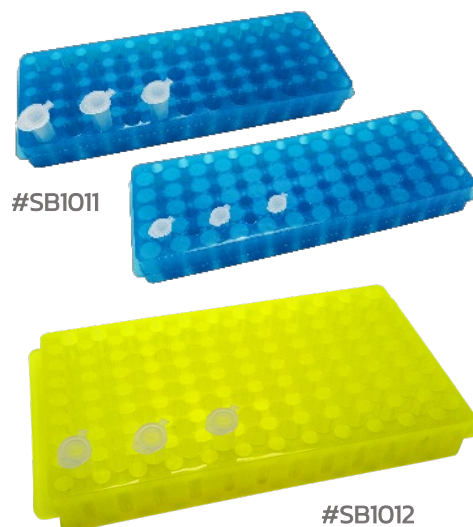
Microcentrifuge tube racks help you prevent tube tops from opening at the time of boiling. Thus, it helps prevent sample loss and contamination. These microcentrifuge tube holders are sturdy and autoclavable. The color-coded caps help you identify samples quickly.

Features:

- Made of high strength plastic, chemically resistant to alcohols and mild organic solvents
- Handles on each end for secure handling
- 5x12 array, 60 wells; 5x16 array, 80 wells; 6x16 array, 96 wells

Order Information:

Well	Color	Description	Material	Cat No.
60	Blue	0.5mL/1.5mL microtube racks	PP	SB1011
96	Yellow	0.5mL/1.5mL microtube racks	PP	SB1012

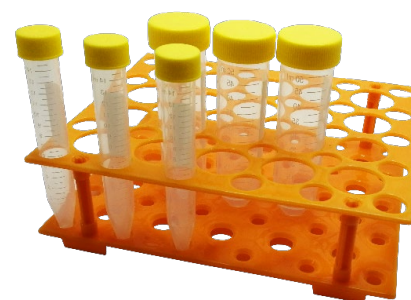
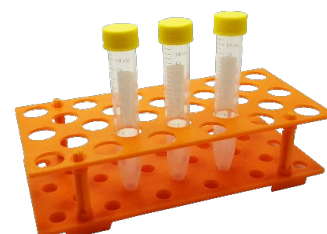


Centrifuge Tube Racks & Boxes

Made of high strength plastic, chemically resistant to alcohols and mild organic solvents

Order Information:

Well	Color	Description	Material	Cat No.
16	White	50mL centrifuge tube box	Cardboard	SB1013
36	White	15mL centrifuge tube box	Cardboard	SB1014
-	Orange	15mL/18 well + 50mL/10 well	ABS	SH1026
-	Orange	15mL/30 well + 50mL/20 well	ABS	SH1027

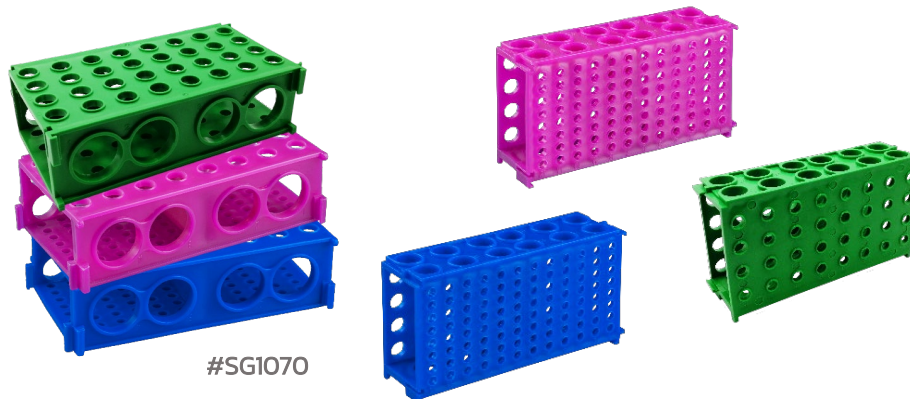


Multifunctional Centrifuge Tube Racks

All racks are made of durable material. Could be autoclavable at 121°C, so they are reusable after clean or autoclave sterile.

Order Information:

Color	Description	Material	Cat No.
Assorted	for tubes & vials 0.2mL/2.0mL/15mL/50mL	PP	SG1070



#SG1070



Freezer Boxes

Cryo storage boxes are ultra-low temperature storage boxes that you can use to hold cryogenic vials or tubes. They have a long life and are autoclavable. They come with a transparent cover that allows researchers to see the contents easily.

Features:

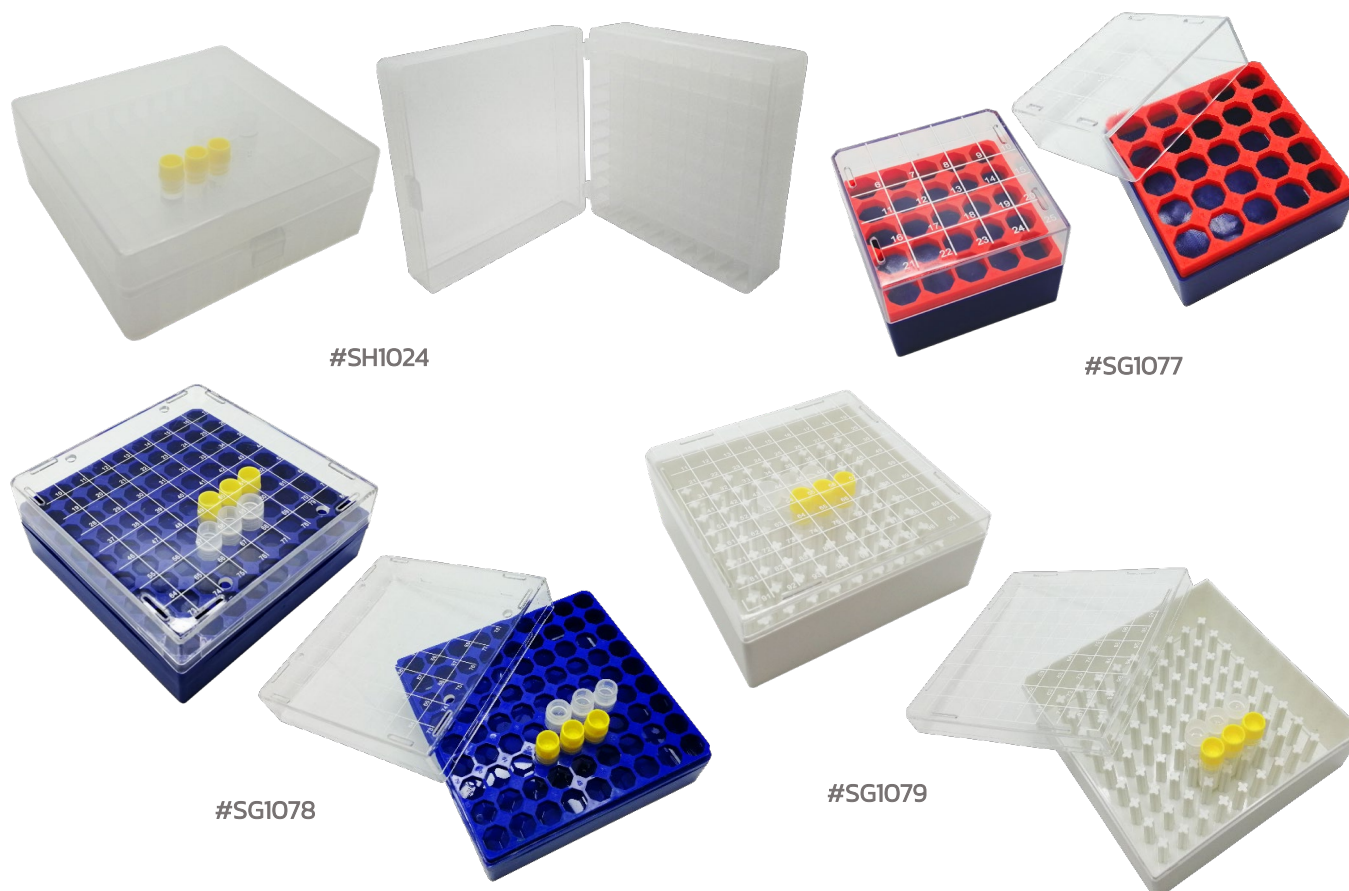
- Made of polycarbonate or polypropylene, can be repeatedly frozen and thawed
- Chemically resistant to alcohols and mild organic solvents
- 5x5 (25-well), 9x9 (81-well), or 10x10 (100-well) boxes available
- Compatible with 0.5ml, 1.5ml or 2.0ml microtubes and cryogenic vials
- Boxes feature numbered grids for sample identification
- Drain holes and air vents minimize condensation
- Assorted colors available
- Suitable for storage in mechanical freezers or liquid nitrogen for PC boxes
- Suitable for storage in mechanical freezers for PP boxes
- Temperature range: stable from -196°C to 121°C for PC boxes
- Numbered grid for sample identification

Order Information:

Well	Color	Description	Material	Cat No.
81	Yellow	for 1.8mL Cryo Tubes, 9 x 9 array	PC	SB1017
100	Yellow/White	for 1.8mL Cryo Tubes, with hinged, 10 x 10 array	PP	SH1024
100	White	for 1.8mL Cryo Tubes, 10 x 10 array	PP	SH1025
25	Orange	for 1.5mL/2.0mL Cryo Tubes, 5 x 5 array	PC	SG1077
81	Blue	for 1.5mL/2.0mL Cryo Tubes, 9 x 9 array	PC	SG1078
100	White	for 1.5mL/2.0mL Cryo Tubes, 10 x 10 array	PC	SG1079



#SB1017



#SH1024

#SG1077

#SG1078

#SG1079



Premium Cardboard Freezer Boxes

Features:

- Made of durable cardboard with superior white outer coating
- Chemically resistant to alcohols and mild organic solvents
- White Premium Cardboard Freezer Boxes have a glossy coating
- 2 inch freezer boxes hold 15ml or 2ml cryogenic vials
- Working temperature: stable from -196°C to 121°C
- Suitable for liquid nitrogen freezing (after adding vent holes)



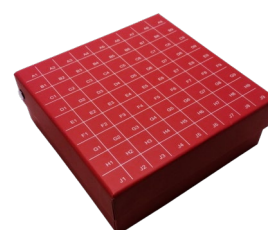
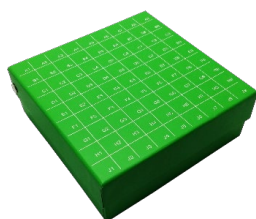
#SB1015

Order Information:

Well	Color	Description	Material	Cat No.
100	White	for 5mL Internal Thread Cryo Tubes	Cardboard	SB1015
81	Assorted	PP divider with hinge for 1.5mL/2.0mL	Cardboard	SB1016
81	White	Water proof coating for 1.5mL/2.0mL	Cardboard	SB1018
81	White	Water proof coating for 3.0mL/4.0mL	Cardboard	SB1019
81	White	Water proof coating for 5.0mL	Cardboard	SB1020



#SB1016



#SB1018



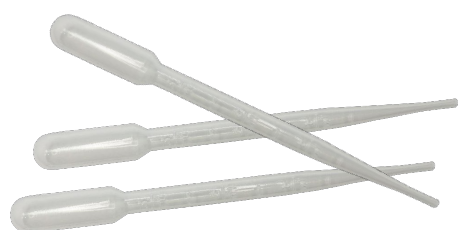
Pasteur Pipette

Named after French scientist, Louis Pasteur, these tubes have a tapered narrow point at one end with a rubber bulb at the other. Traditionally, Pasteur pipettes are made from glass.

However, in recent years, pre-sterilized disposable plastic Pasteur pipettes have fast become popular. You can use these plastic Pasteur pipettes to transfer small quantities of liquids while preventing cross-contamination.

Order Information:

Size	Sterile	Material	Packaging	Cat No.
3mL, 160mm	E.O	PE	1 pc/Peel pack, 100 pcs/Bag	SH1023



#SH1023



Petri Dish

Plastic petri dish with cover for culturing cells and other scientific applications. Clear Polystyrene Plastic for viewing contents. Sterilized Plastic Petri Dishes with lid

Features:

- Sterile Disposable Plastic 35mm 60mm 65mm 70mm 90mm 150mm Petri Dishes
- The Petri dish is smooth, and the light transmittance can help to observe the growth of the bacteria and the number of bacteria.
- The raised line on the lid will strengthen the air permeability of the product.
- EO sterilized, Electron beam and GAMMA ray sterilization.
- The Petri dish has a moderately tight lid.

Order Information:

Size	Sterile	Material	Packaging	Cat No.
35 x 15mm	EO	PS	2300 pcs/Case	SH1001
60 x 15mm	EO	PS	1000 pcs/Case	SH1002
65 x 15mm	EO	PS	650 pcs/Case	SH1003
70 x 15mm	EO	PS	720 pcs/Case	SH1004
90 x 15mm, Machine use	EO	PS	500 pcs/Case	SH1005
90 x 15mm, one room	EO	PS	500 pcs/Case	SH1006
90 x 15mm, two room	EO	PS	500 pcs/Case	SH1007
90 x 15mm, three room	EO	PS	500 pcs/Case	SH1008
90 x 15mm, four room	EO	PS	500 pcs/Case	SH1009
150 x 15mm	EO	PS	240 pcs/Case	SH1010



Loops & Needles

An inoculating loop, also called a smear loop or micro-streaker, is a tool used by biologists to retrieve inoculum using the phenomenon of surface tension. The loop is used to cultivate microbes by streaking agar in a petri dish or plate for subsequent growth. The size of the loop is consistent assuring accurate and repeatable transfers.

Order Information:

Size	Sterile	Material	Packaging	Cat No.
10 µL with Needle, flexible	EO/Gamma	ABS	1 pc/Pack	SH1011
10 µL with Needle, flexible	EO/Gamma	ABS	5 pcs/Pack	SH1012
10 µL with Needle, flexible	EO/Gamma	ABS	10 pcs/Pack	SH1013
10 µL with Needle, flexible	EO/Gamma	ABS	20 pcs/Pack	SH1014
1 µL + 10 µL, rigid	EO/Gamma	AS	1 pc/Pack	SH1015
1 µL + 10 µL, rigid	EO/Gamma	AS	5 pcs/Pack	SH1016
1 µL + 10 µL, rigid	EO/Gamma	AS	10 pcs/Pack	SH1017
1 µL + 10 µL, rigid	EO/Gamma	AS	20 pcs/Pack	SH1018



#SH1015

#SH1016

#SH1014

#SH1017

#SH1018

Cell Spreader

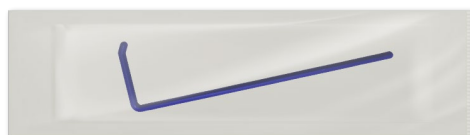
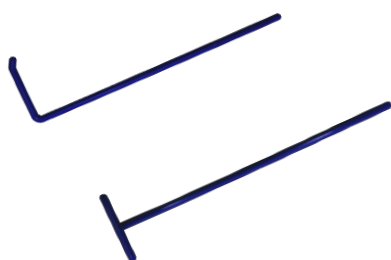
Cell Spreader is used for spreading cell or bacterial cultures evenly on petri dish or plate.

Features:

- It is an ideal tool for growing cells or bacteria evenly in a culture vessel
- Made of polypropylene and pre-sterilized.
- L-shape and T-shape is available.
 - The L-shaped design allows it to be used on all surfaces of a petri dish or plate.
 - The T-shaped design can better distribute the culture evenly
- With different packing. Single pack or ten pack, easy to use and not easy to pollute, protect the safety of product transportation.
- Smooth surface and upward design at the end greatly reduce damage to the AGAR surface.
- Gamma ray disinfection

Order Information:

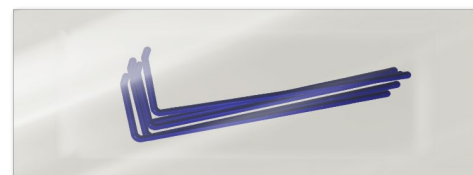
Type	Sterile	Material	Packaging	Cat No.
L-shape	EO/Gamma	PP	1 pc/Pack	SH1019
L-shape	EO/Gamma	PP	5 pcs/Pack	SH1020
T-shape	EO/Gamma	PP	1 pc/Pack	SH1021
T-shape	EO/Gamma	PP	5 pcs/Pack	SH1022



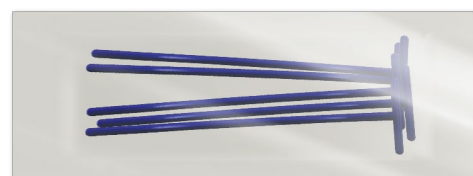
#SH1019



#SH1021



#SH1020



#SH1022



Smart Agarose

Smart Agarose is an agarose ideal for routine rapid separation of DNA and RNA fragments as well as PCR products, the preparation of plasmids, and for screening, cloning and blotting techniques.

Features:

- Easy dissolution and rapid gelling.
- Excellent transparency and low background staining gives clear band visibility.
- Sharp and well defined bands.
- Very low DNA binding.

Applications:

- BioMax has high gel strength even at low concentrations, so use rates are 0.75 – 2%.
- It is effective in blotting and in separations of nucleic acid fractions from 250 bp to 23 Kb.



Markers:

- Lane 1: 1 Kb ladder
- Lane 2: 250 bp ladder
- Lane 3: 100 bp ladder

Specifications & Functional Tests:

Ash	≤ 0.45%
Sulfate	≤ 0.15%
Clarity 1.5% (NTU)	≤ 4
Gel Strength 1% (g/cm ²)	≥ 1000
Gel Strength 1.5% (g/cm ²)	≥ 2000
Gelling Temperature 1.5% (°C)	36 ± 1.5
Melting Temperature 1.5% (°C)	88 ± 1.5
DNase/RNase activity	None detected

Order Information:

Description	Cat No.
Smart Agarose 100 G	SB101-100G
Smart Agarose 500 G	SB101-500G

LE Agarose

Low EEO Agarose, High electrophoresis mobility

Suitable for:

- Nucleic acid analytical of fractions from 250 bp to 23 Kb
- Preparative electrophoresis
- Blotting
- Protein electrophoresis ex. radial immunodiffusion

Features:

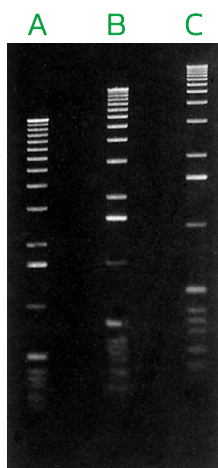
- Extraordinary mechanical resistance for more reliable and easier handling.
- Possibility of varying pore size in accordance with particle size by modifying the gel concentration.
- Easy preparation of the gel by simple dilution in aqueous buffers either by standard boiling or microwaving.
- Greater thermal stability due to high hysteresis (difference between gelling and melting temperatures).
- Excellent transparency of the gel and high visibility.
- Exceptionally low absorption of staining agents.
- Absence of toxicity (polyacrylamide is neurotoxic).

Specifications & Functional Tests:

*EEO (electroendosmosis)	D-1LE/QS
Moisture	≤ 10%
Ash	≤ 0.4%
EEO*	0.05–0.13
Sulfate	≤ 0.1%
Clarity 15% (NTU)	≤ 3
Gel Strength 1% (g/cm ²)	≥ 1200
Gel Strength 1.5% (g/cm ²)	≥ 2500
Gelling Temperature 1.5% (°C)	36 ± 1.5
Melting Temperature 1.5% (°C)	88 ± 1.5
DNase/RNase activity	None detected
DNA resolution ≥ 1000 bp	Finely resolved
Gel background	Very low

Order Information:

Description	Cat No.
LE Agarose 100 G	SB102-100G
LE Agarose 500 G	SB102-500G



D1-LE Agarose gels in 1X TAE buffer

A-0.75%, B-1%, C-1.25% Marker: 1Kb ladder.

Electrophoresis conditions: submarine gel, 2 hours 30 min, 4.5 V/cm in 1X TAE buffer.





Smart Biotech Labs
Your Life Science Research Partner

Our Customers

- ✓ Academic research Laboratory
- ✓ Life Science research Laboratory
- ✓ Plant Tissue Culture Laboratory
- ✓ Industrial research as followings
 - Pharmaceutical industry
 - Agriculture
 - Brewery and Fermentation
 - Environmental & Sanitary
 - Cosmetics industry
 - Clinical Microbiology
 - Food industry
 - Veterinary



วิธีการเพิ่มเป็นเพื่อน

วิธีที่ 1: สแกน QR code

วิธีที่ 2: พิมพ์หา Line ID: @smartsci



CUSTOMER & ORDER SUPPORT

You can order our products & service through the web, phone, Line or email as below.



Quote or Order : orders@smartscience.co.th

General Inquiry : info@smartscience.co.th



098-8093038 , 098-8250970
02-0777593



Online Shopping

www.sbiotec.com