biocomma Aiculture®
Faster Microbial Tests

Faster & Purer & Safer

Consumables for microbiology

Aiculture® focuses on the research, development and production of microbial culture media and consumables, and is committed to continuously providing microbial detection solutions for the fields of food, pharmaceuticals, cosmetics, water quality, etc. The products in this consumables catalogue include microbial sampling bags, blender bags, disposable plastic Petri dishes, disposable inoculation loops, disposable spreaderss, surface sampling kits, etc.

CONTENTS

Sterile Water Sampling Bags

The sterile liquid sampling bag is primarily used for collecting water samples and can preserve various microorganisms, dissolved gases, trace elements, etc., in the water for subsequent analysis and testing.

- Diamond-shaped bottom design for easy standing
- Graduation marks for convenient observation of liquid changes
- Irradiation sterilized, ready for immediate use

Product Material and Structure

- Polyethylene composite material
- Available in sulfur-containing and non-sulfur versions. The sulfur-containing version (sodium thiosulfate) can neutralize chlorine ions in the water, preventing the death of microorganisms in the water sample.
- Except for the 500mL size, which are available in both flat-bottom and round-bottom designs, all other sizes are round-bottom.

Instructions for Use

- This product is for single use only; reuse is not recommended
- Avoid contamination of the bag opening with fingers or other contaminants
- To prevent contamination, please use the product as soon as possible after opening
- Store at room temperature; shelf life is 3 years

Ordering Information

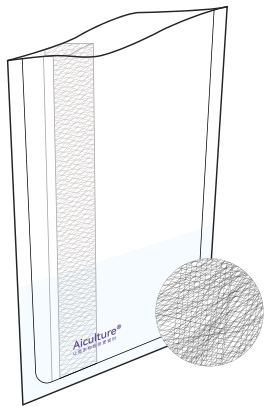
Cat.#	Description	Specification	Sterilization	Qty.
BCWCB001	Sterile Water Sampling Bag	500mL	Irradiation Sterilization	10 Pcs/Pk
BCWCB011	Sterile Water Sampling Bag (with 0.4 mg sodium thiosulfate)	500mL	Irradiation Sterilization	10 Pcs/Pk
BCWCB012	Sterile Water Sampling Bag, Wide-Mouth	500mL	Irradiation Sterilization	10 Pcs/Pk
BCWCB013	Sterile Water Sampling Bag (with 0.4 mg sodium thiosulfate), Wide-Mouth	500mL	Irradiation Sterilization	10 Pcs/Pk
BCWCB002	Sterile Water Sampling Bag	250mL	Irradiation Sterilization	10 Pcs/Pk
BCWCB014	Sterile Water Sampling Bag, Wide-Mouth	250mL	Irradiation Sterilization	10 Pcs/Pk
BCWCB016	Sterile Water Sampling Bag, Wide-Mouth	1000mL	Irradiation Sterilization	10 Pcs/Pk
BCWCB017	Sterile Water Sampling Bag (with 0.8 mg sodium thiosulfate), Wide-Mouth	1000mL	Irradiation Sterilization	10 Pcs/Pk

Blender Bags with Filter

The blender filter bag is a sturdy and functional homogenization bag with filtration capabilities, and it is sterile, disposable, ensuring complete and effective sampling of the sample.

- Transparent and flexible
- Wide-bottom welding technology, shock-resistant, crack-resistant
- High-quality filter membrane with good filtration performance
- Pre-designed tear opening to prevent contamination before use

Blender bag with lateral filter



Product Material and Structure

- Polyethylene Composite Material

Ordering Information

Cat.#	Description	Specification	Sterilization	Qty.
BCWCB010	Blender Bag with Lateral Filter	300×195mm, 400mL	EO Sterilization	25 Pcs/Pk
BCWCB018	Blender Bag with Full-page Filter	300×200mm, 400mL	EO Sterilization	25 Pcs/Pk

Blender Bags without Closure

Sterile Blender Bags are primarily used for homogenization of samples, such as food, pharmaceuticals, and biological products. They provide a sterile environment to ensure that samples are not contaminated, thereby ensuring the accuracy and reliability of analytical results.

- Composite material, transparent, with good flexibility
- Wide bottom welding technology, impact-resistant, crack-resistant, effectively preventing leakage
- Outer packaging is self-sealing to prevent contamination
- Full range of specifications, suitable for sterile sampling, homogenization, and other uses

Product Material and Structure

- Polyethylene Composite Material

Ordering Information

Cat.#	Description	Specification	Sterilization	Qty.
BCWCB005	Blender Bag with Tear-Off Protection Strip	320×200mm, 2000mL	EO Sterilization	100 Pcs/Pk
BCWCB019	Blender Bag without Closure	320×200mm, 2000mL	EO Sterilization	100 Pcs/Pk

Blender Bags with Pressed Strips

Sterile Blender Bags are primarily used for homogenization of samples, such as food, pharmaceuticals, and biological products. They provide a sterile environment to ensure that samples are not contaminated, thereby ensuring the accuracy and reliability of analytical results.

- Composite material, transparent, with good flexibility
- Wide bottom welding technology, impact-resistant, crack-resistant
- Outer packaging with self-sealing for contamination prevention
- Full range of specifications, suitable for sterile sampling, homogenization, and other uses

Product Material and Structure

- Polyethylene Composite Material

Ordering Information

Cat.#	Description	Specification	Sterilization	Qty.
BCWCB003	Blender Bag with Pressed Strip	200×320mm, 2000mL	EO Sterilization	100 Pcs/Pk
BCWCB020	Blender Bag with Pressed Strip	120×180cm, 200mL	EO Sterilization	100 Pcs/Pk

Blender Bags with Pressed Strips, Stand-Up

Sterile Sampling Bags are primarily used for the collection and preservation of sterile samples, such as food, pharmaceuticals, and biological products. They provide a sterile environment to ensure that samples are not contaminated during collection, transport, and storage, thereby ensuring the accuracy and reliability of analytical results.

- Composite material, transparent, with good flexibility, stand-up design
- Wide bottom welding technology, impact-resistant, crack-resistant
- Pack of 50/100, outer packaging with self-sealing for contamination prevention
- Full range of specifications, suitable for sterile sampling, homogenization, and other uses

Product Material and Structure

- Polyethylene Composite Material

Ordering Information

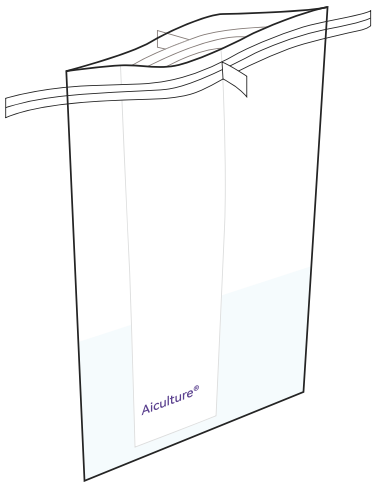
Cat.#	Description	Specification	Sterilization	Qty.
BCWCB015	Blender Bag with Pressed Strip, Stand-Up	200×220mm, 1000mL	EO Sterilization	100 Pcs/Pk
BCWCB004	Blender Bag with Pressed Strip, Stand-Up	200×320mm, 2000mL	EO Sterilization	100 Pcs/Pk
BCWCB008	Blender Bag with Pressed Strip, Stand-Up	400×500mm, 9000mL	EO Sterilization	50 Pcs/Pk
BCWCB021	Blender Bag with Pressed Strip, Stand-Up	250×320mm, 2500mL	EO Sterilization	50 Pcs/Pk

Sampling Bags with Flat Wire

Wire sterile sampling bags are specialized tools used for collecting samples and maintaining their sterile condition. They are widely used in medical, food, environmental monitoring, and other fields for collecting various samples, such as bacteria, fungi, viruses, and other microbial samples. The unique design of these sampling bags ensures the sterility and integrity of the samples for subsequent experiments and testing.

- Made of virgin polyethylene material, transparent, flexible, safe, and free from contamination
- "Pull-tab" design on both sides for easy opening, preventing contamination of the internal sample
- Wire sealing, overlapping more than three times to effectively prevent sample leakage and ensure easy transportation
- Independent pre-"tear" sealing line to ensure the bag is sterile and secure before use
- No side sealing, leak-proof design, optional writing area for clear labeling

Stainless Steel Wire Reinforced Sealing



Product Material and Structure

- This product is made of polyethylene composite material and wire sealing.

Instructions for Use

- Sterile Operation: Maintain strict sterile procedures throughout the entire sampling process to prevent contamination from external microorganisms, ensuring the accuracy of the sample.
- Avoid Cross-Contamination: Avoid direct contact with areas outside the interior of the sampling bag to minimize the risk of cross-contamination.
- Immediate Sealing: After sampling is completed, immediately seal the bag to prevent sample spillage or contamination.
- Temperature Control: Some samples may be sensitive to temperature; select appropriate temperature conditions for sampling and transportation based on the specific requirements.
- Clear Labeling: Clearly label necessary information on the sampling bag to ensure accuracy in subsequent operations.
- Handling Method: Choose the appropriate handling method based on the specific nature of the sample, such as sending for inspection, transportation, or storage.

Ordering Information

Cat.#	Description	Specification	Sterilization	Qty.
BCWCB009	Sampling Bag with Flat Wire	178×305mm, 1800mL	EO Sterilization	50 Pcs/Pk
BCWCB022	Sampling Bag with Flat Wire	76×178mm, 120mL	EO Sterilization	100 Pcs/Pk
BCWCB023	Sampling Bag with Flat Wire	140×229mm, 650mL	EO Sterilization	100 Pcs/Pk

Autoclave Bags

Autoclave bags are widely used in medical, disease control, research environments, food testing, industrial laboratories, etc. The product is resistant to high temperatures up to 135° C, has strong toughness, is puncture-resistant, and can bear heavy loads. It features a biological safety label.

Product Material and Structure

- This product is made of PP (Polypropylene) material.

Ordering Information

Cat.#	Description	Specification	Color	Qty.
WSWDZ027	Autoclave Bag	31×66cm，9L	Yellow	50 Pcs/Pk
WSWDZ028	Autoclave Bag	61×81cm，40L	Yellow	50 Pcs/Pk
WSWFK001	Heat-resistant Sealing Strip	300mm		50 Pcs/Pk

Storage Rack for Bags

The 5/10 grid design allows for organized storage of sampling bags or blender bags and can also be used for the safe transfer of samples.

- Made of stainless steel, durable and long-lasting
- Fine welding, electro-polished finish
- Compatible with sampling bags or blender bags from various brands, offering a wide range of use

Product Material and Structure

- Metal

Instructions for Use

- Avoid contact with acidic and alkaline substances.

Ordering Information

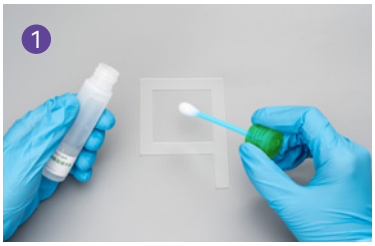
Cat.#	Description	Specification	Qty.
WSWJZ001	Stainless Steel Rack for Bags（Iron wire + Chrome plating）	Rack for 5 bags	1Pc
WSWJZ002	Stainless Steel Rack for Bags（Iron wire + Chrome plating）	Rack for 10 bags	1Pc

Drip-type Surface Sampling Kits

Drip-type surface sampling kits are mainly used for surface sampling in food, pharmaceuticals, public health, catering, beverage factories, etc. When combined with culture media, it can detect total bacteria count, coliforms, Staphylococcus aureus, Listeria, and other items.

- Instant and convenient sampling, easy to transport
- High-quality artificial fiber cotton, with a sample release rate of 95%
- Large swab head area, allowing multi-angle surface swabbing to improve sampling efficiency

Flowchart 1



Fix the area to be tested with a sterile sampling template.

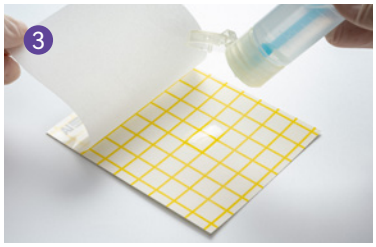
Place the used swab into the sampling tube and label for testing.

Draw the sample liquid and add it to the testing plate or swab directly onto the testing plate, then incubate.

Flowchart 2

Fix the area to be tested with a sterile sampling template.

Place the used swab into the sampling tube and label for testing.



Directly drop the liquid onto the testing plate, then incubate.

Ordering Information

Cat.#	Product Name	Description	Qty.
BCCY001E	Drip-type Surface Sampling Kit	10mL Tube containing 10mL of preservation solution (PBS), with 1* built-in rayon swab	10 Pcs/Box
BCCY002E	Drip-type Surface Sampling Kit	10mL Tube containing 10mL of preservation solution (0.85% saline solution), with 1*built-in rayon swab	10 Pcs/Box
BCCY003E	Drip-type Surface Sampling Kit	10mL Tube containing 10mL of preservation solution (Buffered Peptone Water), with 1*built-in rayon swab	10 Pcs/Box
GGB01	Sterile Sampling Template	Size:5*5cm， used for 25cm^2 surface sampling	100 Pcs/ Pk

Surface Sampling Kits

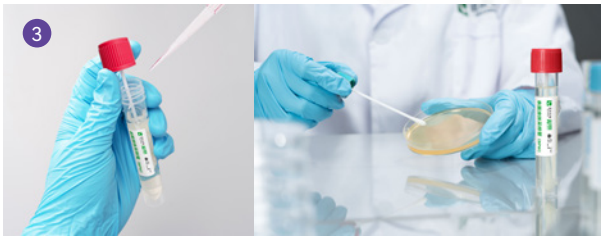
Surface sampling kits are mainly used for surface sampling in food, pharmaceuticals, public health, catering, beverage factories, etc. When combined with culture media, it can detect total bacteria count, coliforms, Staphylococcus aureus, Listeria, and other items.

- Instant and convenient sampling, easy to transport
- High-quality artificial fiber cotton, with a sample release rate of 95%
- Large swab head area, allowing multi-angle surface swabbing to improve sampling efficiency

Flowchart

Fix the area to be tested with a sterile sampling template.

Place the used swab into the sampling tube and label for testing.



Draw the sample liquid and add it to the testing plate or swab directly onto the testing plate, then incubate.

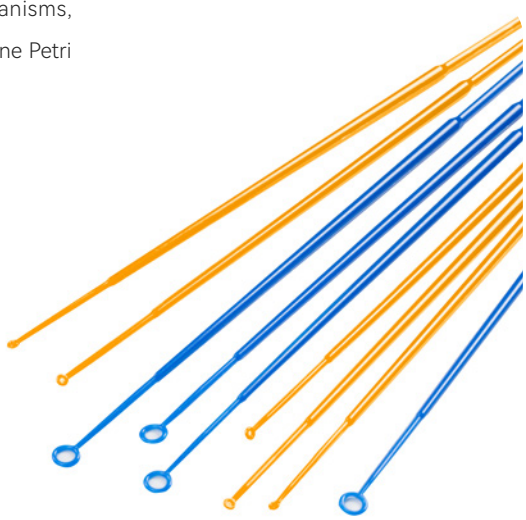
Ordering Information

Cat.#	Product Name	Description	Qty.
CY001E	Surface Sampling Kit	10mL Tube containing 3mL of preservation solution (0.85% saline solution), with 1* built-in rayon swab	50 Pcs/Box
CY002E	Surface Sampling Kit	10mL Tube containing 3mL of preservation solution (compound neutralizer), with 1*built-in rayon swab	50 Pcs/Box
CY003E	Surface Sampling Kit	10mL Tube containing 10mL of preservation solution (0.85% saline solution), with 1* built-in rayon swab	50 Pcs/Box
CY005E	Surface Sampling Kit	10mL Tube containing 10mL of preservation solution (compound neutralizer), with 1*built-in rayon swab and 50* sterile sampling templates	50 Pcs/Box
CY008E	Surface Sampling Kit	10mL Tube containing 10mL of preservation solution (PBS), with 1* built-in rayon swab	50 Pcs/Box
CY009E	Surface Sampling Kit	10mL Tube containing 10mL of preservation solution (Buffered Peptone Water), with 1*built-in rayon swab	50 Pcs/Box
GGB01	Sterile Sampling Template	Size: 5*5cm, used for 25cm^2 surface sampling	100 Pcs/Pk

For more sizes and specifications, please consult Biocomma sales or distributors.

Disposable Inoculation Loops and Needles

Disposable plastic inoculation loops are tools used for transferring microorganisms, designed for single use. They are primarily used to transfer microorganisms from one Petri dish or test tube to another, or for inoculating within the same dish or tube.



- Contamination-free, free of enzymes and pyrogens
- EO Sterilization

Product Material and Structure

- High-impact Polystyrene (HIPS) Material
- Various Packaging and Specifications to suit different needs

Instructions for Use

- Before use, check that the outer packaging is intact to ensure sterility.
- During operation, avoid contamination.
- When picking microbial colonies, ensure the integrity and representativeness of the colonies to guarantee accurate experimental results.
- After use, dispose of the disposable plastic inoculation loop in a designated container to prevent cross-contamination.

Ordering Information

Cat.#	Description	Specification	Sterilization	Qty.
JZH001	1μL Disposable Sterile Inoculation Loop	Individually packed	EO Sterilization	1 Pc/Bag，100 Bags/Pk
JZH001-200	1μL Disposable Sterile Inoculation Loop	Pack of 10	EO Sterilization	10 Pcs/Bag，20 Bags/Pk
JZH002	10μL Disposable Sterile Inoculation Loop	Individually packed	EO Sterilization	1 Pc/Bag，100 Bags/Pk
JZH002-200	10μL Disposable Sterile Inoculation Loop	Pack of 10	EO Sterilization	10 Pcs/Bag，20 Bags/Pk
JZH005	5μL Disposable Sterile Inoculation Loop	Individually packed	EO Sterilization	1 Pc/Bag，100 Bags/Pk
JZH006	Disposable Sterile Inoculation Needle	Individually packed	EO Sterilization	1 Pc/Bag，100 Bags/Pk
JZH006-200	Disposable Sterile Inoculation Needle	Pack of 10	EO Sterilization	10 Pcs/Bag，20 Bags/Pk

Metal Inoculation Loops and Needles

The metal inoculating loop is a tool used for transferring microorganisms, typically made of wire and designed to be heat-sterilized. It is mainly used to transfer microorganisms from one Petri dish or test tube to another, or to perform inoculation operations within the same dish or test tube.

- Acid-resistant, rust-resistant, sturdy, and durable
- Reusable after sterilization

Product material and structure

- The inoculating loop consists of three parts: a plastic handle, a copper body, and a nickel-chromium wire.
- Strong heat resistance, can be sterilized using an alcohol lamp flame

Instructions for Use

- The metal inoculating loop must be sterilized before use to ensure it is sterile
- During operation, keep the loop clean and sterile to avoid contamination.
- When picking microbial colonies, ensure the integrity and representativeness of the colonies to ensure accurate experimental results.
- After use, sterilize the metal inoculating loop by burning it in the flame and dispose of it properly.

Ordering Information

Cat.#	Description	Size	Qty.
JZH010	Inoculation Loop, Nichrome Wire	1mm	10 Pcs/Tube
JZH011	Inoculation Loop, Nichrome Wire	2mm	10 Pcs/Tube
JZH012	Inoculation Loop, Nichrome Wire	3mm	10 Pcs/Tube
JZH013	Inoculation Loop, Nichrome Wire	4mm	10 Pcs/Tube
JZH014	Inoculation Loop, Nichrome Wire	5mm	10 Pcs/Tube
JZH015	Inoculation Wire	-	20 Pcs/Pk

Disposable Spreaders

Disposable plastic spreader is a laboratory tool typically used for spreading, stirring, and mixing liquids, solid samples, or reagents during experiments.
Designed for single use, it helps reduce the risk of cross-contamination.

- Convenient to use
- Enzyme-free and pyrogen-free
- EO sterilization

Product material and structure

- Made of high-impact polystyrene (HIPS)
- L-shaped design

Instructions for Use

- This product is not suitable for autoclaving or flaming with an alcohol lamp. It is a single-use tool.
- Ensure sterile operation to avoid cross-contamination. Clean your hands and wear lab gloves before the spreader comes into contact with samples.
- Avoid using the product in non-sterile environments to prevent contamination of samples or reagents.
- Inspect the spreader before use to ensure it is intact. Do not use damaged or broken spreaders.
- After use, dispose of the disposable plastic spreader in an appropriate waste container, following laboratory waste management regulations.

Ordering Information

Cat.#	Description	Sterilization	Qty.
TMB002	L-shaped Spreader	EO sterilization	10 Pcs/Bag, 10 Bags/PK
TMB003	L-shaped Spreader	EO sterilization	1 Pc/Bag, 100 Bags/PK

Infrared Inoculation Loop Sterilizer

The Infrared Inoculation Loop Sterilizer uses infrared heat for sterilization. It is convenient, easy to operate, flameless, and wind-resistant, making it a perfect replacement for alcohol lamps. This sterilizer is widely used for microbiological experiments in environments such as biosafety cabinets and clean benches.

- Based on electronic infrared technology, it is widely used for sterilizing inoculation loops or needles, fully replacing alcohol lamps.
- The heating chamber can reach a temperature of over 800° C, achieving thorough sterilization in just 5-7 seconds.
- Equipped with precise temperature control technology to prevent overheating of heating components, ensuring long service life.
- Compact size, lightweight, aesthetically pleasing, easy to clean, and features an adjustable heating body for simple operation.

Ordering Information

Cat.#	Description	Qty.
BI800	Infrared Inoculation Loop Sterilizer	1 Set/Ctn

Bacterial & Fungal Preservation System

The product consists of preservation solution, preservation tube and small porcelain beads, which is used for laboratory strains preservation and transfer. It is widely applied to the clinical field (preservation of clinical drug susceptibility test strains), disease control (monitoring the preservation of isolated strains), strain preservation centers (daily access and preservation of strains) and pharmaceutical companies (preservation and retrieval of positive control strains) and other fields.

- The preservation tube is injection-molded from special materials, offering strong sealing and resistance to low temperatures.
- Porous ceramic beads promote bacterial adhesion and preservation.
- Simple and convenient to use.

Product material and structure

- The product consists of preservation solution, preservation tube and small porcelain Beads.

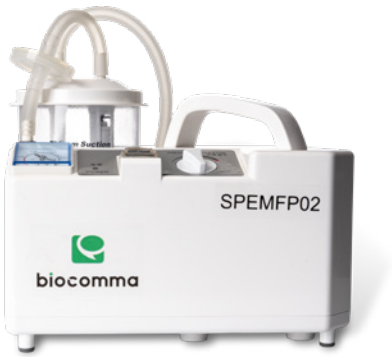
Ordering Information

Cat.#	Description	Qty.
JZBC001	Bacterial & Fungal Preservation System	81 Pcs/Box
JZBC003	Bacterial & Fungal Preservation System	25 Pcs/Box

Vacuum Filtration Manifolds

The Multi-Branch Filtration System is a solution filtration device used in biological laboratories. Paired with a vacuum air source, it enables quick filtration experiments. The filter cups are made of 304 stainless steel and high-quality borosilicate glass, ensuring resistance to acid and alkali corrosion. The entire setup can be sterilized directly with high temperature and pressure.

- Simple structure, easy to operate
- Stainless steel base with excellent pressure resistance
- All components are detachable for cleaning or sterilization
- Stainless steel and glass filter cups are interchangeable



Instructions for Use

- Before steam sterilization, slightly loosen the filter cover or insert a syringe needle connected to an air filter for ventilation.
- Soak the membrane in sterilized water for 4–6 hours before sterilization, drain the water, and let it sit overnight as above.
- Consumable parts, such as the glass cylinder, rubber gasket, and rubber sealing ring, can be purchased separately.
- The instrument base and filter can be customized according to experimental requirements.
- The drain port can be connected to a vacuum device such as a suction pump.

Applications

- Microbial filtration testing in biopharmaceuticals, food, disease control, chemical industries, and water treatment plants.

Ordering Information

Cat.#	Description	Qty.
GLQ-3-300	3-Branch Vacuum Filtration Manifold, with 300mL Stainless Steel Funnel	1 Set/Ctn
GLQ-6-300	6-Branch Vacuum Filtration Manifold, with 300mL Stainless Steel Funnel	1 Set/Ctn
GLQ-3-300BL	3-Branch Vacuum Filtration Manifold, with 300mL Glass Funnel	1 Set/Ctn
GLQ-6-300BL	6-Branch Vacuum Filtration Manifold, with 300mL Glass Funnel	1 Set/Ctn
GLQ-P-2L	2L Solvent Bottle	1 Set/Ctn
GLQ-P-5L	5L Solvent Bottle	1 Set/Ctn
GLQ-P-10L	10L Solvent Bottle	1 Set/Ctn
SPEMFP02-E	Adjustable Oil-Free Vacuum Pump, adjustable pressure: 0.02~0.08, waste collection bottle included	1 Set/Ctn

Gridded Membrane Filters

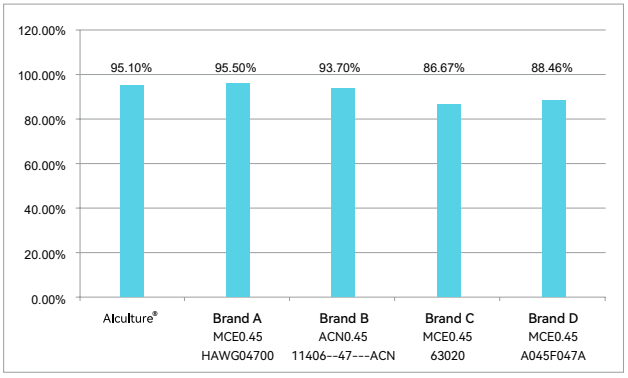
Selection of unsupported, naturally hydrophilic mixed cellulose ester(MCE) membranes, utilizing different pore sizes to enrich and culture specified bacteria. It is widely used in various microbial analysis and research.

- Complies with ISO7704, optimal for microbial retention and growth, with microbial recovery rate >90%
- Sterilization filtration efficiency: LRV >7 (ATCC19146 defective short-wave pseudomonas, ASTM bacterial challenge test)
- High flow rate
- Grid lines on the membrane facilitate colony differentiation and counting without affecting colony growth
- Irradiation sterilization, with a shelf life of 3 years

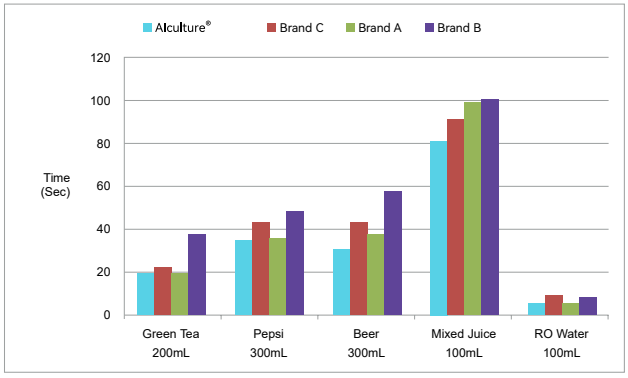
Product material and structure

- Natural hydrophilic mixed cellulose ester(MCE) membrane

Competitor Comparison - Escherichia coli Recovery Growth Rate



Competitor Comparison - Flow Rates



Ordering Information

Cat.#	Description	Sterilization	Qty.
GM001	White membrane black grid, Individually packed, Sterile, MCE, Irradiation sterilization 1 Pc/ Pk, 100 Pk / Box 0.22 μm, Φ47 mm	Irradiation sterilization	1 Pc/ Pk, 100 Pks / Box
GM002	White membrane black grid, Individually packed, Sterile, MCE, 0.45 μm, Φ47 mm	Irradiation Sterilization	1 Pc/ Pk, 100 Pks / Box
GM003	Black membrane white grid, Individually packed, Sterile, MCE, 0.22 μm, Φ47 mm	Irradiation Sterilization	1 Pc/ Pk, 100 Pks / Box
GM004	Black membrane white grid, Individually packed, Sterile, MCE, 0.45 μm, Φ47 mm	Irradiation Sterilization	1 Pc/ Pk, 100 Pks / Box
GM005	White membrane green grid, Individually packed, Sterile, MCE, 0.22 μm, Φ47 mm	Irradiation Sterilization	1 Pc/ Pk, 100 Pks / Box
GM006	White membrane green grid, Individually packed, Sterile, MCE, 0.45 μm, Φ47 mm	Irradiation Sterilization	1 Pc/ Pk, 100 Pks / Box
GM101	White membrane black grid, Continuous packed, Sterile, MCE, 0.22 μm, Φ47 mm	Irradiation Sterilization	1 Pc/Pk, 150 Pks/Box

Cat.#	Description	Sterilization	Qty.
GM102	White membrane black grid, Continuous packed, Sterile,MCE,0.45 μm, Φ47 mm	Irradiation Sterilization	1 Pc/Pk，150 Pks/Box
GM103	Black membrane white grid,Continuous packed, Sterile, MCE, 0.22 μm, Φ47 mm	Irradiation Sterilization	1 Pc/Pk，150 Pks/Box
GM104	Black membrane white grid, Continuous packed, Sterile,MCE, 0.45 μm, Φ47 mm	Irradiation Sterilization	1 Pc/Pk，150 Pks/Box
GM105	White membrane green grid, Continuous packed, Sterile, MCE, 0.22 μm, Φ47 mm	Irradiation Sterilization	1 Pc/Pk，150 Pks/Box
GM106	White membrane green grid, Continuous packed, Sterile, MCE, 0.45 μm, Φ47 mm	Irradiation Sterilization	1 Pc/Pk，150 Pks/Box

More sizes can be customized

Disposable Petri Dishes

Biocomma® Sterile Plastic Petri Dishes are made of high-quality polystyrene with excellent transparency, ensuring a smooth and clean surface.
Available in various sizes, they are suitable for bacterial culture experiments of microorganisms in industries such as food, medicine, and cosmetics.

- Made of high-quality polystyrene with excellent transparency
- Uniform thickness, and the bottom of the dish is smooth and clean, facilitating experimental observation
- Stacking design facilitates storage and stacking
- Sealed in dust-proof plastic bag packaging to prevent pollution and effectively protect the optical surface of the Petri dish
- Complete specifications cater to various customer needs

Product material and structure

- Polystyrene(PS) material
- Stacking design facilitates storage and stacking
- EO (Ethylene Oxide) or irradiation sterilization. The product is enzyme-free and pyrogen-free.

Instructions for Use

- When using disposable Petri dishes, ensure sterile handling to prevent the entry of bacteria or other contaminants.
- This product is pre-sterilized and cannot be autoclaved at high temperatures.
- After each use, promptly dispose of the Petri dishes to avoid cross-contamination between samples.

Ordering Information

Cat.#	Description	Size	Sterilization	Qty.
PYM005	Disposable Petri Dish , 90mm, 14 g	90mm×15mm	EO Sterilization	20 Pcs/Pk，25 Pks/Ctn
PYM006	Disposable Petri Dish , 90mm, 14 g	90mm×15mm	EO Sterilization	10 Pcs /Pk，50 Pks / Ctn
PYM008	Disposable Petri Dish , 90mm, 14 g	90mm×15mm	Irradiation Sterilization	20 Pcs /Pk，25 Pks/Ctn
PYM009	Disposable Petri Dish , 90mm, 14 g	90mm×15mm	Irradiation Sterilization	10 Pcs/Pk，50 Pks/Ctn
PYM010	Disposable Petri Dish , 90mm, 16 g	90mm×16mm	EO Sterilization	10 Pcs/Pk，50 Pks/Ctn
PYM011	Disposable Petri Dish , 60mm	60mm	EO Sterilization	10 Pcs/Pk，100 Pks/Ctn
PYM013	Disposable contact plates, Gridded	55mm，Arc Bottom	EO Sterilization	10 Pcs/Pk，50 Pks/Ctn

Bacterial Culture Flasks

The bacterial culture flask is suitable for shaker cultivation of bacteria, yeast, and other microorganisms. It can also be used for holding or measuring liquids, as well as for preparing and mixing reagents. Manufactured using an advanced injection stretch blow molding process, the flasks are seamless with uniform wall thickness.

- Made from medical-grade polycarbonate material, compliant with ISO10993 and USP (661) standards. High transparency and clear, accurate graduation markings facilitate observation. Excellent chemical resistance, compatible with various chemicals.
- Resistant to high temperatures (121℃), low temperatures (-80℃), oxidation, and non-sticking to walls.
- Compared to traditional glass Erlenmeyer flasks, polycarbonate (PC) flasks offer superior impact resistance and are less prone to breakage.

Product material and structure

- Medical-grade polycarbonate material
- Clear and accurate graduations for easy observation
- Available in various sizes: 125/250/500/1000mL baffled flasks

Instructions for Use

- This product is intended for scientific research by professionals only. It is not for clinical diagnosis or treatment, food, or pharmaceutical use. Do not store in residential areas.
- For your safety and health, wear a lab coat and disposable gloves during operation.

Ordering Information

Cat.#	Description	Sterilization	Qty.
24001	125mL Bacterial Culture Flask (Flat Bottom)	125mL	24 Pcs / Ctn
24002	125mL Bacterial Culture Flask (Baffled Bottom)	125mL	24 Pcs / Ctn
24003	250mL Bacterial Culture Flask (Flat Bottom)	250mL	12 Pcs / Ctn
24004	250mL Bacterial Culture Flask (Baffled Bottom)	250mL	12 Pcs / Ctn
24005	500mL Bacterial Culture Flask (Flat Bottom)	500mL	12 Pcs / Ctn
24006	500mL Bacterial Culture Flask (Baffled Bottom)	500mL	12 Pcs / Ctn
24007	1L Bacterial Culture Flask (Flat Bottom)	1000mL	12 Pcs / Ctn
24008	1L Bacterial Culture Flask (Baffled Bottom)	1000mL	12 Pcs / Ctn

Sealing Films for Tissue Culture

The high-temperature resistant tissue culture sealing film is made of high-quality polypropylene material, which is non-toxic to cultures and can be sterilized under high temperature and pressure. It is mainly used for sealing various culture bottles and can also be used for sterilizing medium-sealed flasks. It ensures air exchange while preventing the entry of other microorganisms, thereby achieving the purpose of sealing and preventing bacterial contamination.

- High-quality PTFE microporous filter membrane (edge-sealed), breathable yet bacteria-proof.
- Autoclavable at high temperatures and pressures.

Product material and structure

- Made of premium polypropylene material
- Transparent with a thickness of 0.06mm (6 mils), offering excellent light transmission.
- Diameter: 1.6 cm / 3 cm; filtration pore size: 0.2-0.3 μm, ensuring both breathability and sealing to prevent contamination.

Instructions for Use

- The operating temperature of this product must not exceed 135° C

Ordering Information

Cat.#	Description	Qty.
SF16-16	Sealing Films for Tissue Culture, High-Temperature Resistant	50 Pcs /Pk
SF1616R	Size 160*160mm, Membrane Diameter 16mm, Roll Packaging, Non-Sterile	500 Pcs/Box
QC0402	Rubber Band, High-Temperature Resistant, Thickness 1.5mm	50 Pcs /Pk

One-Handed Open Sterile Test Tubes

The new generation of ready-to-use sterile medium-filled tubes developed by Biocomma, features a free-standing design that is convenient to use. The test tubes can be easily opened and closed with one hand for inoculation, effectively preventing leakage and avoiding contamination.

- One-handed operation for easy opening, providing greater convenience.
- High transparency for clear observation of microbial growth.
- Pre-sterilized and ready to use, significantly improving testing efficiency.

Product material and structure

- Tube cap: Made of polypropylene (PP)
- Tube body: Made of polystyrene (PS)
- Sealing plug: Made of butyl rubber

Ordering Information

Cat.#	Description	Sterilization	Size	Qty.
PYG001	Disposable Sterile One-Handed Open Test Tube	Irradiation Sterilization	25mL	20 Pcs/Box
PYG002	Disposable Sterile One-Handed Open Test Tube with Bubble Collection Plate	Irradiation Sterilization	25mL	20 Pcs/Box
PYG003	Disposable Sterile One-Handed Open Test Tube	Irradiation Sterilization	25mL	50 Pcs/Box

Test Tube Racks

The test tube rack is made of high-quality plastic, featuring a detachable design for easy assembly and use, saving space. It is suitable for holding test tubes and centrifuge tubes.

- Clean, sleek appearance with smooth, burr-free surfaces.
- Stable material with durable and secure joints, ensuring long-lasting use

Product material and structure

- Made of polypropylene (PP)

订购信息

Cat.#	Description	Size	Qty.
SGJ001	Test Tube Rack	40 tubes Ø 20 mm，white	1 Pc/Pk
SGJ001-B	Test Tube Rack	40 tubes Ø 20 mm，blue	1 Pc/Pk
SGJ002	Test Tube Rack	44 tubes Ø 17 mm，white	1 Pc/Pk
SGJ002-B	Test Tube Rack	44 tubes Ø 17 mm，blue	1 Pc/Pk
SGJ003	Test Tube Rack	60 tubes Ø 16 mm，white	1 Pc/Pk
SGJ003-B	Test Tube Rack	60 tubes Ø 16 mm，blue	1 Pc/Pk

BRAND PROFILE

ISO 9001:2015 ISO 13485:2016 ISO 14001:2016

Aiculture® microbial culture medium aims to make microbial testing more efficient, operating in Singapore and Shenzhen with a pharmaceutical GMP management system and serving global customers by Chinese supply chain.

By providing convenient and efficient culture media and sterile consumables, we enhance the efficiency of microbial detection, saving time for testing experts. The time they used to spend on preparing culture media can now be allocated to more valuable tasks.

Made in Shenzhen·Sevice for Global Business ·Customization Supported

AI-HC-01-002EN

Biocomma Limited

Add.: 1401~1406, Bldg. 12, Zhonghaixin Innovation Industrial Park, 12 Ganli 6th Rd., Jihua St., Longgang Dist., Shenzhen, Guangdong, 518114 P.R. China

Tel.: 86(755)-25431879 **Web:** www.biocomma.com **Email:** info@biocomma.com