

Membrane Solutions

MS® Lab Ware

Membrane Solutions Offer variety of different kinds of Bio-Filtration products, such as Tissue culture plates, flasks and dishes, Vacuum and syringe driven filters, Serological and Aspirating pipets, Centrifuge tubes, and much more other Membrane Filters.



MS® Tissue Culture Plate



Product Description:

Tissue Culture Plates are ideal for cell culture and cell harvesting; available with five (5) different growth surface areas either surface-treated or non-treated. Growth surface areas are flat and free from striation to maximize usable growth area and transparency. Manufactured of (USP class VI) virgin polystyrene to eliminate all extraneous materials and ensure the integrity of your cells. The surface of treated plates is modified with plasma causing the otherwise very hydrophobic polystyrene surface, to become negatively charged and hydrophilic, allowing cells to attach and multiply.. Raised rims on wells reduce the risks of cross-contamination and nestle into rings on the lid to reduce evaporation. One direction lid has venting system that assists in controlling gaseous exchange. A rim on the top of the lid is designed for secure stacking. All plates are sterilized by gamma irradiation and individually packaged in paper/plastic peel pouches; non-pyrogenic.

Features and Benefits:

- Uniform wall thickness ensures distortion-free well bottoms
- Each well is labeled with alphanumeric marking
- Available DNase/RNase free
- Non-toxic
- Gamma radiation sterilization

Technical Specification:

Number of Wells	Well Volume (ml)	Well Working Volume (ml)	Cell Growth Area (cm ²)	Well Diameter (Bottom, mm)
6	17.0	1.9-2.9	9.6	34.97
12	6.8	0.76-1.14	3.85	22.116
24	3.5	0.38-0.57	1.93	15.66
48	1.55	0.19-0.285	0.84	10.34
96	390µl	75-200µl	0.329	6.47

CHROMATOGRAPHY PRODUCTS . . . gc, hplc & fluid transfer

CHROMalytic Australian Distributors

ECHnology Pty Ltd

www.chromtech.net.au E-mail jimjeffs@chromtech.net.au Tel : +61 3 9762 2034 Fax : +61 3 9761 1169

Order Information:

Part Number	TCP001006	TCP011006	TCP001012	TCP011012	TCP001024
Surface	General Type Surface Treated	Standard Type Surface Treated	General Type Surface Treated	Standard Type Surface Treated	General Type Surface Treated
No. of wells	6	6	12	12	24
Well shape	Round	Round	Round	Round	Round
Well Bottom	Flat	Flat	Flat	Flat	Flat
Sterile	Gamma Irradiated	Gamma Irradiated	Gamma Irradiated	Gamma Irradiated	Gamma Irradiated
Lids Included	Yes	Yes	Yes	Yes	Yes
Qty. per Pack	1	1	1	1	1
Qty. per Inner Box	50	50	50	50	50
Qty per case	100	100	100	100	100

Part Number	TCP011024	TCP001048	TCP011048	TCP001096	TCP011096
Surface	Standard Type Surface Treated	General Type Surface Treated	Standard Type Surface Treated	General Type Surface Treated	Standard Type Surface Treated
No. of wells	24	48	48	96	96
Well shape	Round	Round	Round	Round	Round
Well Bottom	Flat	Flat	Flat	Flat	Flat
Sterile	Gamma Irradiated	Gamma Irradiated	Gamma Irradiated	Gamma Irradiated	Gamma Irradiated
Lids Included	Yes	Yes	Yes	Yes	Yes
Qty. per Pack	1	1	1	1	1
Qty. per Inner Box	50	50	50	50	50
Qty per case	100	100	100	100	100

Tissue Culture Flask



Product Description:

Tissue Culture Flasks are made with high quality crystal grade polystyrene. These flasks are vacuum-gas plasma treated for optimum cell attachment and growth. Plug-seal polyethylene caps can be used in both open and closed systems. Vented polyethylene caps contain a 0.22µm hydrophobic filter to allow gas exchange and minimize risk of contamination. Dnase/Rnase free, non-pyrogenic, Gamma radiation sterilization. Packaged in durable and re-sealable (zip closure) self-standing bags that allow the flasks to remain upright.

Features and Benefits:

- Uniform wall thickness ensure distortion-free
- Plug-seal polyethylene caps or Vented polyethylene caps with a 0.22µm hydrophobic filter
- Available Dnase/Rnase Free
- Non-pyrogenic
- Gamma radiation sterilization

Order Information:

Part Number	Volume	Approximate Growth Area	Surface	Qty.Per Pack	Qty.Per Case	Flask cap Styles
MSCF001025	25mL	12.5cm ²	General type Non Treated ,Suitable for proliferation of suspension cell and tissue	10	200	Plug seal
MSCF002025	25mL	12.5cm ²		10	200	Vent
MSCF001050	50mL	25.0cm ²		10	200	Plug seal
MSCF001250	50mL	25.0cm ²		10	200	Vent
MSCF002250	250mL	75.0cm ²		5	100	Plug seal
MSCF002250	250mL	75.0cm ²		5	100	Vent
MSCF001600	600mL	182.0cm ²		5	40	Plug seal
MSCF002600	600mL	182.0cm ²		5	40	Vent
MSCF011025	25mL	12.5cm ²	Standard type Surface Treated, Suitable for adhesion cell and tissue growth	10	200	Plug seal
MSCF012025	25mL	12.5cm ²		10	200	Vent
MSCF011050	50mL	25.0cm ²		10	200	Plug seal
MSCF012050	50mL	25.0cm ²		10	200	Vent
MSCF011250	250mL	75.0cm ²		5	100	Plug seal
MSCF012250	250mL	75.0cm ²		5	100	Vent
MSCF011600	600mL	182.0cm ²		5	40	Plug seal
MSCF012600	600mL	182.0cm ²		5	40	Vent

Tissue Culture Dish



Product Description:

Petri Dishes are manufactured of optically clear polystyrene and provide flexibility and dependability. High optical clarity dishes effectively design to bacterial culture work Available aseptically manufactured under clean room conditions to exclude microbiological contamination or terminally sterilized by gamma irradiation

Order Information:

Part Number	Treatment	Dish Diameter(cm)	Growth Area(cm ²)	Sterile	Lids Included	Qty.per Sleeve	Qty.per Case
MSCD000035	None	3.5	8.5	Gamma-Irradiated	Yes	10	960
MSCD010035	Surface Treated	3.5	8.5	Gamma-Irradiated	Yes	10	960
MSCD000070	None	7.0	36.3	Gamma-Irradiated	Yes	10	600
MSCD010070	Surface Treated	7.0	36.3	Gamma-Irradiated	Yes	10	600
MSCD000150	None	15.0	143.0	Gamma-Irradiated	Yes	5	120
MSCD010150	Surface Treated	15.0	143.0	Gamma-Irradiated	Yes	5	120
MSCD000090	None	10.0	55	Gamma-Irradiated	Yes	10	500
MSCD010090	Surface Treated	10.0	55	Gamma-Irradiated	Yes	10	500

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ELISA Plate



Product Description:

ELISA Plates high protein-binding capacity polystyrene 96 well ELISA plates are surface modified, the protein-binding capacity of the ELISA plates is greatly enhanced, reaching 300-400ng IgG/ cm²

Features:

- 100% virgin high quality crystal-grade polystyrene for optical clarity and consistency.
- CV of transmittance is less than 5.00%
- Provides reliable performance in binding assays when consistent coating of wells is required.
- DNase/Rnase and pyrogen free.

Order Information:

Part Number	Well	Binding Capacity	Description	Qty Per Box	Boxes Per Case
MSEP100096	96well	High Binding	Fixed Flat Bottom	10/pkg 200/CS	20
MSEP101896			Detachable, 8x12		
MSEP101296			Detachable, 12x8		
MSEP101248	48 well		Detachable, Flat	20/pkg 400/CS	40
MSEP100012	12 well		Strip 12x8	40/pkg 1600/CS	
MSEP100008	8 well		Strip 8x12	60/pkg 2400/CS	
MSEP200096	96well	Medium	Fixed Flat Bottom	10/pkg 200/CS	20
MSEP201896			Detachable, 8x12		
MSEP201296			Detachable, 12x8		
MSEP201248	48 well		Detachable, Flat	20/pkg 400/CS	40
MSEP200012	12 well		Strip 12x8	40/pkg 1600/CS	
MSEP200008	8 well		Strip 8x12	60/pkg 2400/CS	
MSEP300096	96well	Aminated	Fixed Flat Bottom	10/pkg 200/CS	20
MSEP301896			Detachable, 8x12		
MSEP301296			Detachable, 12x8		
MSEP301248	48 well		Detachable, Flat	20/pkg 400/CS	40
MSEP300012	12 well		Strip 12x8	40/pkg 1600/CS	
MSEP300008	8 well		Strip 8x12	60/pkg 2400/CS	

Centrifuge Tubes (15ml, 50ml)



Product Description:

Centrifuge Tubes are made of high-clarity polypropylene. Easy-to-read black graduations are accurate to 2% and in 1mL increments (15 mL) or 2.5mL increments (50mL) with a large white printed writing area. Smooth, flat surface polyethylene caps for conical bottom tubes and pug seal caps for self-standing tubes are included.

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Features:

- High-clarify gamma resistance polypropylene.
- Max.RCF:9,400 for conical bottom tubes; 6,000 for self-standing tubes.
- Black printed graduations and white writing area can withstand chloroform.
- Autoclavable at 121 °C and freezable to -80 °C
- Packaged in zip sealed bags or environmental friendly, recyclable paper racks.
- Leak proof.

Order Information:

- Racked tubes are packaged in environmentally responsible (fully recyclable) chipboard racks.
- Bagged tubes are packaged in durable and re-sealable (zip closure) bags.
- Inner packaging is individually labeled for lot-to-lot traceability.
- All tubes are packaged with caps attached and are sterilized with gamma irradiation, RNase-free, DNase-free and Non-pyrogenic.

Specifications:

Part Number	Volume (ml)	Description	Packaging	Pack Qty.	Case Qty
MSCT000150	15	Conical, Non-sterilized	Bulk	500	500
MSCT010150	15	Conical, Non-sterilized	Re-sealable bag	50	500
MSCT011150	15	Conical, sterilized	Re-sealable bag	25	505
MSCT021150	15	Conical, sterilized	Paper rack	25	500
MSCT012150	15	Conical, sterilized	Re-sealable bag	25	500
MSCT022150	15	Conical, sterilized DNase/RNase free	Paper rack	25	500
MSCT000500	50	Conical, Non-sterilized	Bulk	500	500
MSCT010500	50	Conical, Non-sterilized	Re-sealable bag	50	500
MSCT011500	50	Conical, sterilized	Re-sealable bag	25	500
MSCT021500	50	Conical, sterilized	Paper rack	25	500
MSCT012500	50	Conical, sterilized DNase/RNase free	Re-sealable bag	25	500
MSCT022500	50	Conical, sterilized DNase/RNase free	Paper rack	25	500
MSCT100500	50	Self-standing, Non-sterilized	Bulk	500	500
MSCT110500	50	Self-standing, Non-sterilized	Re-sealable bag	50	500
MSCT111500	50	Self-standing, sterilized	Re-sealable bag	25	500
MSCT112500	50	Self-standing, sterilized DNase/RNase free	Re-sealable bag	25	500

Membrane Solutions

Micro-Centrifuge Tubes



Product Description:

Tubes are available in polypropylene. Tubes have flat, pierceable, frosted caps that won't open when the tubes are boiled or autoclaved.

Features and Benefits:

- DNase-free, DNA-free, and Non-pyrogenic.
- Tubes fit most common rotors and can be spun up to 16000RCF within 20 minutes.
- Autoclavable at 121°C, Freezable at -80°C
- Gamma radiation sterilized.

Specifications:

Part Number	Volume (mL)	Description	Packaging	Pack Qty.	Case Qty
MSMCT0006	0.6	Conical, Non-sterilized	Plastic Bag	1000	5000
MSMCT1006	0.6	Conical, sterilized	Plastic Bag	1000	5000
MSMCT0015	1.5	Conical, Non-sterilized	Plastic Bag	1000	5000
MSMCT1015	1.5	Conical, sterilized	Plastic Bag	1000	5000
MSMCT0020	2.0	Conical, Non-sterilized	Plastic Bag	1000	5000
MSMCT1020	2.0	Conical, sterilized	Plastic Bag	1000	5000

Serological Pipets



Product Description:

Disposable Polystyrene serological Pipets are suitable for most brand of pipette-aid. Ultrasonically welded at the tip and the mouth-piece for added strength and safety; Color-coded stripes for quick volume identification. Bidirectional graduations on the pipets provide added flexibility. Graduations are calibrated for accurate dispensing to within $\pm 2\%$.

Features and Benefits:

- Optically clear polystyrene.
- Color coded for easy identification.
- Available individually wrapped in easy-peel sterile wrappers.
- Gamma radiation sterilization.

Specifications:

Part Number	Volume (mL)	Graduations	Color Code	Material	Sterilization	Packaging	Pack Qty	Case Qty
MSSP010001	1	1/100mL	Yellow	PS	YES	Paper/Plastic	200	800
MSSP011001	1	1/100mL	Yellow	PS	NO	Paper/Plastic	200	800
MSSP010002	2	1/100mL	Green	PS	YES	Paper/Plastic	150	600
MSSP011002	2	1/100mL	Green	PS	NO	Paper/Plastic	150	600
MSSP010005	5	1/10mL	Blue	PS	YES	Paper/Plastic	100	400
MSSP011005	5	1/10mL	Blue	PS	NO	Paper/Plastic	100	400
MSSP010010	10	1/10mL	Orange	PS	YES	Paper/Plastic	100	400
MSSP011010	10	1/10mL	Orange	PS	NO	Paper/Plastic	100	400
MSSP010025	25	2/10mL	Red	PS	YES	Paper/Plastic	50	200
MSSP011025	25	2/10mL	Red	PS	NO	Paper/Plastic	50	200

Pipette Micro Tips



Product Description:

Pipet tips are precision molded from nontoxic medical grade 100% virgin polypropylene which has been tested and found free of detectable nuclease contamination. Tips are designed with sealed that provide a more consistent sealing area than a sealing ring. Sterile and non-sterile are Available.

Features and Benefits:

- Clear tips are free of Dnase/Rnase, and pyrogens.
- Fully autoclavable to 121°C
- Tips are compatible with most pipettors.
- Graduated at 0.1µL-1000µL.
- Sterile tips are gamma-irradiated to guarantee products sterility.
- Natural tips incorporate a special high recovery polyethylene filter.

Ordering Information

- These clear tips are available in economical bulk packages or in autoclavable racks.
- Tips are available in economical bulk package, re-sealable plastic bags-keeping your supply safe from contamination.
- High racks have snap-lock closures featuring easy, one-hand operation, and extra-rigid box/tray design.

Part Number	Volume (µl)	Description	Packaging	Qty per Unit	Qty per Case
MS000010	0.1~10	Natural color	Re-sealable bag	1000/bag	10000
MS001010	0.1~10	Natural color, sterile	Re-sealable bag	1000/bag	10000
MS011010	0.1~10	Natural color, in plastic box, sterile	Rack	96/rack	1920
MS021010	0.1~10	Natural color, in plastic box, sterile, certified Rnase.Dnase free	Rack	96/rack	1920
MS100010	0.1~10	Natural with filter,	Re-sealable bag	1000/bag	10000
MS101010	0.1~10	Natural with filter, sterile	Re-sealable bag	1000/bag	10000
MS111010	0.1~10	Natural with filter.In box, sterile	Rack	96/rack	1920
MS121010	0.1~10	Natural color, with filter, in plastic box, sterile, certified Rnase.Dnase free	Rack	96/rack	1920
MS000200	10~200	Yellow, in plastic bag	Re-sealable bag	1000/bag	10000
MS001200	10~200	Yellow, , sterile	Re-sealable bag	1000/bag	10000
MS011200	10~200	Yellow, in plastic box, sterile	Rack	96/rack	1920
MS021200	10~200	Natural color, in plastic box, sterile, certified Rnase.Dnase free	Rack	96/rack	1920
MS002200	10~200	Yellow, in plastic bag	Re-sealable bag	1000/bag	10000
MS003200	10~200	Yellow, , sterile	Re-sealable bag	1000/bag	10000
MS100100	10~100	Natural with filter	Re-sealable bag	1000/bag	10000

MS101100	10~100	Natural with filter,sterile	Re-sealable bag	1000/bag	10000
MS101100	10~100	Natural with filter, in box, sterile	Rack	96/rack	1920
MS121100	10~100	Natural color, with filter, in plastic box, sterile, certified Rnase, Dnase free	Rack	96/rack	1920
MS000000	100~1000	Blue, in plastic bag	Re-sealable bag	1000/bag	10000
MS001000	100~1000	Blue,, sterile	Re-sealable bag	1000/bag	10000
MS011000	100~1000	Blue, in plastic box, sterile	Rack	96/rack	1920
MS021000	100~1000	Natural color, in plastic box, sterile,certified Rnase, Dnase free	Rack	96/rack	1920
MS100000	100~1000	Natural with filter	Re-sealable bag	1000/bag	10000
MS101000	100~1000	Natural with filter, sterile	Re-sealable bag	1000/bag	10000
MS111000	100~1000	Natural with filter, in box, sterile	Rack 96/box 1920	96/rack	1920
MS121000	100~1000	Natural color, with filter, in plastic box, sterile, certified Rnase, Dnase free	Rack 96/box 1920	96/rack	1920

Serum & Sample Tubes



Product Description:

Clear polypropylene tubes are ideal for sample processing application. Excellent for cryostorage or secure sample handling.

Features and Benefits:

- Ideal for small volume samples.
- Screw cap microtubes with plug seal for one-handed operation.
- Certified Dnase/Rnase, and endotoxin-free.
- Gamma radiation sterilized.

Specifications:

Part Number	Volume (mL)	specification	Qty per pack	Qty per case
MST1006	0.6	Plug seal, sterilized	1000	10000
MST0006	0.6	Plug seal, Non-sterilized	1000	10000
MST1015	1.5	Plug seal, sterilized	1000	10000
MST0015	1.5	Plug seal, Non-sterilized	1000	10000
MST1020	2.0	Plug seal, sterilized	1000	10000
MST0020	2.0	Plug seal, Non-sterilized	1000	10000
MST1050	5.0	16×57mm,Plug seal, sterilized	100	3000
MST0050	5.0	16×57mm, Non-sterilized	100	3000
MST1150	15.0	30×115mm, Plug seal, sterilized	100	1000
MST0150	15.0	30×115mm, Non-sterilized	100	3000
MST1500	50.0	30×115mm , Plug seal, sterilized	25	500
MST0500	50.0	30×115mm, Non-sterilized	25	500

Tissue Culture Dish



Product Description:

Cell Culture Dishes are manufactured from (USP class VI) virgin polystyrene to eliminate all materials and to ensure cell integrity. These dishes are ideal for cell culture and cell harvesting; available in four (4) dish sizes with or without plasma treated surfaces. Plasma treating causes the otherwise very hydrophobic polystyrene surface, to become negatively charged and hydrophilic; allowing cells to attach and multiply. Growth surface areas are flat and free from striation to maximize usable growth area and transparency. The rim on upper side of the lid mates with the bottom of dishes for easy and secure stacking; spacers on the underside allow aerobic gas exchange while providing sample protection. Dishes are sterilized by gamma irradiation and are certified non-Pyrogenic.

Features and Benefits:

- Uniform wall thickness ensures distortion-free well bottoms.
- DNase/Rnase free, Non-toxic.
- Non-toxic.
- Gamma radiation sterilization.

Order Information:

Part Number	Treatment	Dish diameter (cm)	Growth Area (cm ²)	Sterile	Lids Included	Qty.per Sleeve	Qty.per Case
MSCD000035	None	3.5	8.5	Gamma-Irradiated	Yes	10	960
MSCD010035	Surface Treated	3.5	8.5	Gamma-Irradiated	Yes	10	960
MSCD000070	None	7.0	36.3	Gamma-Irradiated	Yes	10	600
MSCD010070	Surface Treated	7.0	36.3	Gamma-Irradiated	Yes	10	600
MSCD000150	None	15.0	143.0	Gamma-Irradiated	Yes	5	120
MSCD010150	Surface Treated	15.0	143.0	Gamma-Irradiated	Yes	5	120
MSCD000090	None	10.0	55	Gamma-Irradiated	Yes	10	500
MSCD010090	Surface Treated	10.0	55	Gamma-Irradiated	Yes	10	500

Luminescence Test Plate



Ordering Information

Part Numbe	Well	Type	Specification	Qty per box	Boxes per case
MSLTP10296	96	Detachable, flat	12well strip, white	10	20
MSLTP10896	96	Detachable, flat	8well strip, white	10	20
MSLTP10248	48	Detachable, flat	12well strip, white	10	40
MSLTP21296	96	Detachable, flat	12well strip, white	10	20
MSLTP21896	96	Detachable, flat	8well strip, white	10	20
MSLTP20248	48	Detachable, flat	12well strip, white	10	40

Inoculating Loops & Needles



Membrane Solutions



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Product Description:

Inoculation Loops & Needles are ideal for harvesting colonies growing on plated medium. Sterile disposable loop and needle design eliminates the need for flaming metal loops and exposure to airborne pathogens. Ultra-smooth surfaces provide problem free plating and streaking of cultures-loops don't slice or score the agar.

These products are precision molded from inert polymers; free of releasing agents, lubricants, and electrostatic charges enabling correct surface tension (consistent wetting) on the loop head and complete liquid transfer. Needles are suitable for stab inoculation into agar or culture medium. Products are color-coded for easy visual identification and wrapped in convenient paper/plastic peel pouches.

Products are calibration certified and quality inspected (lot-to-lot) for uniform and correct droplet size and full liquid transfer.

Features and Benefits:

- Specially formulated high quality polypropylene.
- Color-coded for easy identification.
- Surface treated for hydrophilic purposes.
- Gamma irradiation sterilized

Ordering Information

Part Number	Color	Volume (uL)	Length (mm)	Qty per Pack	Qty per Case
MSILO11001	White	1	218	20	2000
MSILO10001	White	1	218	20	2000
MSILO11010	Blue	10	221	20	2000
MSILO10010	Blue	10	221	20	2000
MSILO21001	Yellow	---	221	20	2000
MSILO20001	Yellow	---	221	20	2000

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Serological Plates



Product Description:

Serological Plates are made of optically clear polystyrene to enable precise crystal visualization. Three are 48-well and 96-well plates, to high throughput handing drop lids and sitting drop sitting drop lid and sitting drop plates. Used for serological dilution.

Ordering Information

Part Number	Well	Well bottom	Description	Qty per sleeve	Qty per case
MSSP00096	96well	Fixed flat bottom	Flat bottom, No affinity to Protein after modification	10	200
MSSP10896	96well	Fixed flat bottom		10	200
MSSP10296	96well	Fixed flat bottom		10	200
MSSP10248	96well	Fixed flat bottom		10	200

PCR Tubes



Product Description:

PCR Tubes are made of specially formulated high quality polypropylene. These tubes are ideal for use in thermal transfer application. The unique cap design guarantees perfect fit which prevents sample evaporation during thermal cycling. The smooth tubes feature eliminates the risk of snagging gloves or irritating fingers. Our PCR tubes, plates and strip tubes are specifically designed for use in thermal transfer applications.

Features and Benefits:

- Easy open and close using one hand.
- External graduations and frosted writing surface aid in sample identification.
- Certified Dnase/Rnase free.
- Autoclavable under normal autoclaving guidelines.

Ordering Information

Part Number	Volume (µl)	Description	Qty per pack	Qty per case
MSPCR01200	200	Flat cap, natural	1000	10000
MSPCR11200	200	Flat cap, sterilized, certified Dnase/Rnase free	1000	10000
MSPCR21200	200	Domed cap, sterilized, Certified Dnase/Rnase	1000	10000
MSPCR01500	500	Flat cap, natural	1000	10000
MSPCR11500	500	Flat cap, sterilized, certified Dnase/Rnase free	1000	10000