<Account Name>

Top Cell Culture Products

cells

- Cell lines
- Primary Cells
- Stem cell lines
- Engineered cell lines
- Induced Pluripotent Stem Cells

prepare

- Serum
- Media
- Buffers
- Supplements
- Antibiotics
- Sterile Filtration
- Growth Factors
- Cytokines
- Extracellular Matrix Proteins (ECM)

Grow

- General Labware
- Hanging/ standing inserts
- 24- and 96- well plates
- Multilayer Flasks
- 3D Cell Culture
- Cell Counter
- Chamber-well slides
- ERS Voltohmmeter

Analyze

- Antibodies
- Dyes, Stains - Live Cell Dyes
- Microfluidic Platform
- ELISpot plates
- Migration, Invasion, Chemotaxis
- Cellular Assays

cells

Mammalian cell lines

Cancer cell lines

Engineered cell lines

Primary cells

Stem cell lines

Click on
Learn more

prepare

Prepare cell culture media with our sterile filters. With industry leading innovative designs for filtration devices and 60 years of membrane technology expertise, we offer a wide range of solutions to make the repetitive and critical tasks accurate, quick and easy.

New Stericup® E Sterile Vacuum Filtration System

Designed as a more sustainable option for sterile filtration that significantly reduces plastic and packaging.

Description	Membrane/Application	Thread	Pore Size (µm)	Receiver Bottle (mL)	Qty/ Pk	Cat. No.
Stericup® E GP	Millipore Express® (PES)/ fast filtration of tissue culture media and buffers	38 mm	0.22 µm	500 mL	12	**SEGPU0538**
Stericup® E GP		45 mm		500 mL	12	**SEGPU0545**
Stericup® E GP		38 mm		1000 mL	12	**SEGPU1138**
Stericup® E GP		45 mm		1000 mL	12	**SEGPU1145**
Steritop® E GP		38 mm			12	**SEGPT0038**
Steritop® E GP		45 mm			12	**SEGPT0045**

Stericup® Quick Release Vacuum Filtration System

Stericup® Quick Release Sterile Vacuum Filtration System offers the standard you trust in a workflow-friendly design.

Description	Membrane/Application	Pore Size (µm)	Funnel Capacity (mL)	Receiver Bottle (mL)	Qty/ Pk	Cat. No.
Stericup®-GP Quick Release Filter Units Stem Cell Tested	Millipore Express® (PES)/ fast filtration of tissue culture media and buffers	0.22	250	250	12	**S2GPU02RE**
			500	500	12	**S2GPU05RE**
			1000	1000	12	**S2GPU11RE**
Stericup®-VP Quick Release Filter Units	Millipore Express® (PES)/ removal of mycoplasma	0.1	1000	1000	12	**S2VPU11RE**
Stericup®-GV Quick Release Filter Units	Durapore® (PVDF) / filtration of high value biomolecules, lowest protein binding	0.22	250	250	12	**S2GVU02RE**
			500	500	12	**S2GVU05RE**
			1000	1000	12	**S2GVU11RE**

Steriflip® Filter Units

For filtering 10 mL to 50 mL volumes without sample transfer steps.

Description	Membrane	Pore Size (µm)	Qty/Pk	Cat. No.
Steriflip®-GP Filter Units	Millipore Express® (PES)	0.22	25	**SCGP00525**
Steriflip®-GV Filter Units	Durapore® (PVDF)/filtration of high value biomolecules, lowest protein binding	0.22	25	**SE1M179M6**

Millex® Syringe Filters

Sterilized and individually packaged.

Description	Pore Size (µm)	Type	Process Volume	Hold-up Volume (after air purge)	Qty/ Pk	Cat. No.
Millex® 33 mm Millipore Express® (PES)/ Fast Flow and low protein binding	0.22	GP	200 mL	< 100 µl	50	**SLGP033RS**
Millex® 33 mm Durapore® (PVDF)/Lowest binding membrane for protein rich solutions	0.1	VV	100 mL	< 100 µl	50	**SLVV033RS**
	0.22	GV	100 mL	< 100 µl	50	**SLGV033RS**
					250	**SLGV033RB**
Millipore Express® PLUS (PES) Membrane/ Fast flow and low binding for cell culture media preparation	0.45	GP	200 mL	< 100 µl	50	**SLHP033RS**

Cell culture media and balanced salt mixture

Description	Cat. No.
DMEM - high glucose With 4500 mg/L glucose and sodium bicarbonate, without L-glutamine, sodium pyruvate, and phenol red, liquid	D1145-500ML
dPBS 10x, without calcium chloride and magnesium chloride, liquid	D1408-500ML
DMEM - low glucose With 1000 mg/L glucose, and sodium bicarbonate, without L-glutamine, liquid	D5546-500ML
DMEM - high glucose With 4500 mg/L glucose and sodium bicarbonate, without L-glutamine and sodium pyruvate, liquid	D5671-500ML
DMEM - high glucose With 4500 mg/L glucose, L-glutamine, and sodium bicarbonate, without sodium pyruvate, liquid	D5796-500ML
DMEM - low glucose With 1000 mg/L glucose, L-glutamine, and sodium bicarbonate, liquid	D6046-500ML
DMEM - high glucose HEPES modification, With 4500 mg/L glucose, 25 mM HEPES, and sodium bicarbonate, without L-glutamine and sodium pyruvate, liquid	D6171-500ML
DMEM/F12 With 15 mM HEPES and sodium bicarbonate, without L-glutamine, liquid	D6421-500ML
DMEM - high glucose With 4500 mg/L glucose, L-glutamine, sodium pyruvate, and sodium bicarbonate, liquid	D6429-500ML
DMEM - high glucose With 4500 mg/L glucose, sodium pyruvate, and sodium bicarbonate, without L-glutamine, liquid	D6546-500ML
DMEM/F12 With L-glutamine and sodium bicarbonate, without HEPES, liquid	D8062-500ML
DMEM/F12 With L-glutamine, 15 mM HEPES, and sodium bicarbonate, liquid	D8437-500ML
RPMI-1640 Medium With sodium bicarbonatewithout L-glutamine, liquid	R0883-500ML
RPMI-1640 Medium HEPES Modification, With 25mM HEPES, without L-glutamine., liquid	R5886-500ML
RPMI-1640 Medium Modified, with 20mM HEPES and L-glutamine, without sodium bicarbonate, liquid	R7388-500ML
RPMI-1640 Medium Modified with sodium bicarbonate,without L-glutamine and phenol red, liquid	R7509-500ML
RPMI-1640 Medium With L-glutamine and sodium bicarbonate, liquid	R8758-500ML
Iscove's Modified Dulbecco's Medium With sodium bicarbonate, without L-glutamine, liquid	I3390-500ML
Medium 199 With Earle's salts and sodium bicarbonate, without L-glutamine, liquid	M2154-500ML
EMEM With Earle's salts and sodium bicarbonate, without L-glutamine, liquid	M2279-500ML
EMEM With Earle's salts, non-essential amino acids and sodium bicarbonate, without L-glutamine, liquid	M5650-500ML
EMEM Alpha Modification, with sodium bicarbonate, without L-glutamine, ribonucleosides and deoxyribonucleosides, liquid	M4526-500ML
Medium 199 With Earle's salts, L-glutamine and sodium bicarbonate, liquid	M4530-500ML
EMEM With Earle's salts, L-glutamine and sodium bicarbonate, liquid	M4655-500ML
Nutrient Mixture F-10 Ham With 20 mM HEPES, without sodium bicarbonate and L-glutamine, liquid	N2147-500ML
Nutrient Mixture F-12 Ham With sodium bicarbonate, without L-glutamine, liquid	N4888-500ML
Nutrient Mixture F-10 Ham With sodium bicarbonate, without L-glutamine, liquid	N6013-500ML
Nutrient Mixture F-12 Ham With L-glutamine and sodium bicarbonate, liquid	N6658-500ML
Nutrient Mixture F-10 Ham With L-glutamine and sodium bicarbonate, liquid	N6908-500ML
MegaCell™ RPMI-1640 Medium without L-glutamine, liquid	M3817-500ML
dPBS Modified, without calcium chloride and magnesium chloride, liquid	D8537-500ML
dPBS With $MgCl_2$ and $CaCl_2$, liquid	D8662-500ML
HBSS Modified, with sodium bicarbonate, without phenol red, calcium chloride and magnesium sulfate, liquid	H6648-100ML
HBSS With sodium bicarbonate	H9269-500ML
HBSS Modified, with sodium bicarbonate, without calcium chloride and magnesium sulfate, liquid	H9394-500ML
HBSS Modified, with sodium bicarbonate, without phenol red, liquid	H8264-500ML

AQmedia™ Stable Glutamine Media

Description	Cat. No.
DMEM - high glucose AQmedia™, With 4500 mg/L glucose, L-alanyl-glutamine, and sodium bicarbonate, without sodium pyruvate., liquid	D0819-500ML
Dulbecco's Modified Eagle's Medium - high glucose AQmedia™, With 4500 mg/L glucose, L-Ala-L-Gln, sodium	D0822-500ML
Minimum Essential Medium Eagle - AQmedia™	M6074-500ML
EMEM AQmedia™, With Earle's salts, glutamine stabilisée, and sodium bicarbonate, liquid	M0446-500ML
RPMI-1640 Medium AQmedia™ With L-alanyl-glutamine and sodium bicarbonate, liquid	R2405-500ML

Reagents and supplements antibiotics

Description	Cat. No.
Penicillin-Streptomycin with 10,000 units penicillin and 10 mg streptomycin per mL in 0.9% NaCl	**P0781-100ML**
Penicillin-Streptomycin Solution 10,000 units penicillin and 10mg streptomycin/mL	**P4333-100ML**
Penicillin-Streptomycin Solution 5,000 units penicillin and 5mg streptomycin/mL	**P4458-100ML**
L-Glutamine–Penicillin–Streptomycin solution with 200 mM L-glutamine, 10,000 U penicillin and 10 mg steptomycin/mL in 0.9% NaCl	**G1146-100ML**
Antibiotic Antimycotic Solution (100×), Stabilized with 10,000 units penicillin, 10 mg streptomycin and 25 µg amphotericin B per mL	**A5955-100ML**
Amphotericin B solution 250 µg/mL in deionized water, sterile-filtered, BioReagent, suitable for cell culture	**A2942-100ML**
Mitomycin C from Streptomyces caespitosus powder, BioReagent	**M4287-2MG**
Gentamicin solution 10 mg/mL	**G1272-100ML**
Gentamicin solution 10 mg/mL	**G1272-10ML**
Gentamicin solution 50 mg/mL in deionized water, liquid, sterile-filtered, BioReagent, suitable for cell culture	**G1397-100ML**
Gentamicin solution 50 mg/mL	**G1397-10ML**
G 418 disulfate salt powder, BioReagent, suitable for cell culture	**A1720-1G**
G 418 disulfate salt powder, BioReagent, suitable for cell culture	**A1720-5G**
G 418 disulfate salt solution 50 mg/mL in H_2O, BioReagent	**G8168-10ML**

Cell dissociation

Description	Cat. No.
Trypsin-EDTA solution 1 x, 0.5 g porcine trypsin and 0.2 g EDTA . 4Na per liter of Hanks' Balanced Salt Solution with phenol red	**T3924-100ML**
Trypsin-EDTA solution 0.25%, 2.5 g porcine trypsin and 0.2 g EDTA . 4Na per liter of Hanks' Balanced Salt Solution with phenol red	**T4049-100ML**
Trypsin-EDTA solution 10 x, 5.0 g porcine trypsin and 2 g EDTA . 4Na per liter of 0.9% sodium chloride	**T4174-100ML**
EDTA, solution 0,02%	**E8008-100ML**
Accutase® solution sterile-filtered, cell culture tested	**A6964-100ML**
Cell Dissociation Solution Non-enzymatic 1x Prepared in Hanks' balanced salt solution without calcium or magnesium, sterile-filtered, BioReagent, suitable for cell culture	**C5789-100ML**

Cell freezing

Description	Cat. No.
DMSO, Dimethyl sulfoxide Hybri-Max™	**D2650-100ML**
DMSO, Dimethyl sulfoxide Hybri-Max™	**D2650-5X10ML**
DMSO, Dimethyl sulfoxide Hybri-Max™	**D2650-5X5ML**
Cell Freezing Medium-Serum-free 1× sterile-filtered, suitable for cell culture	**C2639-50ML**
Cell Freezing Medium-Glycerol 1× sterile-filtered, suitable for cell culture	**C6039-50ML**
Cell Freezing Medium-DMSO Serum free 1x	**C6295-50ML**

Attachment factors

Description	Cat. No.
Laminin from Engelbreth-Holm-Swarm murine sarcoma basement membrane 1 mg/mL in Tris buffered NaCl, sterile-filtered, BioReagent, suitable for cell culture	**L2020-1MG**
ECM Gel from Engelbreth-Holm-Swarm murine sarcoma	**E1270-5ML**
Fibronectin from human plasma liquid, 0.1%Solution	**F0895-1MG**
Fibronectin from bovine plasma solution	**F1141-1MG**
Fibronectin Purified Protein from Human Plasma	**FC010**
Poly-D-Lysine Solution, 1 mg/mL	**A-003-E**
Poly-D-lysine hydrobromide	**P6407-5MG**
Laminin, Mouse purified	**CC095**
Collagen Type 1, rat tail	**08-115**
Poly-L-ornithine solution	**P4957-50ML**

Cell separation

Description	Cat. No.
Histopaque®-1077 Hybri-Max™	H8889-500ML
Histopaque®-1077	10771-500ML

Other reagents (additives, hormones, growth factors...)

Description	Cat. No.
L-Glutamine solution 200 mM, solution	G7513-100ML
Glutamine Stabilisée, solution de 200mM	G8541-100ML
MEM Non-essential Amino Acid Solution (100x) liquid, without L-glutamine	M7145-100ML
MEM Amino Acids (50x) solution Without L-glutamine, liquid	M5550-100ML
MEM Vitamin Solution (100x) liquid	M6895-100ML
ITS Liquid Media Supplement (100x) liquid	I3146-5ML
HEPES solution BioXtra, 1 M, pH 7.0-7.6	H0887-100ML
Sodium pyruvate solution 100 mM	S8636-100ML
Sodium bicarbonate solution solution (7.5%)	S8761-100ML
Water sterile-filtered, cell culture tested	W3500-1L
Water sterile-filtered, cell culture tested	W3500-6X1L
Water sterile-filtered, cell culture tested	W3500-6X500ML
LookOut® Mycoplasma Elimination Kit	MP0030-1KT
Trypan Blue solution 0.4%	T8154-100ML
Albumin from bovine serum essentially globulin free, essentially protease free, ≥98%	A3059-100G
Albumin from bovine serum lyophilized powder, ≥96%	A9647-100G
Insulin solution human	I9278-5ML
Epidermal Growth Factor human	E9644-.2MG
Fibroblast Growth Factor-Basic human recombinant, expressed in Escherichia coli	F0291-25UG
Fibroblast Growth Factor basic, human animal-free recombinant	GF003-AF
Fibroblast Growth Factor basic, human recombinant	GF003
EGF, human recombinant animal-free	GF316
EGF, human recombinant	GF144
TNF alpha, human recombinant animal-free	GF314
TNF alpha, human recombinant	GF023

Serum

Description	Cat. No.
Fetal Bovine Serum, Research Grade non-USA origin, sterile-filtered, suitable for cell culture	F0804-500ML
Fetal Bovine Serum non-USA origin, sterile-filtered, suitable for cell culture	F7524-500ML
Fetal Bovine Serum Heat Inactivated, non-USA origin, sterile-filtered, suitable for cell culture	F9665-500ML
Human Serum from human male AB plasma, USA origin, sterile-filtered	H4522-100ML
Human Serum from male AB clotted whole blood), USA origin, sterile-filtered	H6914-100ML

GROW

Millicell® Inserts

For microporous membrane-based cell culture

Millicell® Standing Inserts

Plate Type	Pore Size	Device Size	Qty/Pk	Cat. No.
Organotypic Insert Biopore™ (PTFE)	0.4 µm	6-well	50	**PICM0RG50**
HA Insert MF-Millipore (Mixed Cellulose Esters)	0.45 µm	6-well	50	**PIHA03050**
		24-well	50	**PIHA01250**
CM Insert Biopore™ (PTFE)	0.4 µm	6-well	50	**PICM03050**
		24-well	50	**PICM01250**
PCF Insert Isopore™ (Polycarbonate)	0.4 µm	6-well	50	**PIHP03050**
	1 µm	24-well	50	**PIHP01250**

Millicell® Single-Well Hanging Inserts

Description	Pore Size	Device Size	Qty/Pk	Cat.No.
PET Membrane (polyethylene terephthalate)	0.4 µm	6-well	48	**MCHT06H48**
	1.0 µm			**MCRP06H48**
	3.0 µm			**MCSP06H48**
	5.0 µm			**MCMP06H48**
	8.0 µm			**MCEP06H48**
	0.4 µm	12-well	48	**MCHT12H48**
	1.0 µm			**MCRP12H48**
	3.0 µm			**MCSP12H48**
	5.0 µm			**MCMP12H48**
	8.0 µm			**MCEP12H48**
	0.4 µm	24-well	48	**MCHT24H48**
	1.0 µm			**MCRP24H48**
	3.0 µm			**MCSP24H48**
	5.0 µm			**MCMP24H48**
	8.0 µm			**MCEP24H48**

Millicell® EZ SLIDES

Simplify your cell analysis by using the Millicell EZ SLIDE 4 well or 8 well glass slide to culture, fix, stain & view your sample all in one device.

Description	Device Size	Qty/Pk	Cat. No.
Millicell® EZ SLIDES	4-well	16	**PEZGS0416**
	4-well	96	**PEZGS0496**
	8-well	16	**PEZGS0816**
	8-well	96	**PEZGS0896**

Millicell® Electrical Resistance System

The Millicell® ERS (Electrical Resistance System) reliably measures membrane potential and resistance of epithelial cells in culture. This device qualitatively measures cell monolayer health and quantitatively measures cell confluence.

Description	Cat. No.
Millicell® ERS-2 Voltohmmeter	**MERS00002**

Analyze

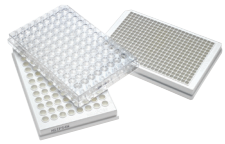
Migration, Invasion and Chemotaxis (MIC)

Cell migration is stimulated and directed by interaction of cells with the extracellular matrix (ECM), neighboring cells, or chemo-attractants. Cell migration participates in morphogenic processes, wound healing and tumor metastasis.

MultiScreen® — MIC Filter Plates Maximize results

The MultiScreen® -MIC filter plate provides a reliable, versatile platform for a range of cell-based screening assays including migration, invasion, chemotaxis, co-culture, angiogenesis.

Description	Pore Size	Qty/Pk	Cat. No.
MultiScreen®-MIC	3 µm	10	**MAMIC3S10**
MultiScreen®-MIC	5 µm	10	**MAMIC5S10**
MultiScreen®-MIC	8 µm	10	**MAMIC8S10**



includes 96-well receiver plates housed in single-well trays with lids. All parts are sterilized.

Cell Migration and Invasion Multiwell Assays

Description	Pore Size	Plate Format	ECM Coating	Detection	No. of Tests	Cat. No.
Chemotaxis Cell Migration Assays	8 µm	24-well	None	Colorimetric	24	**ECM508**
	5 µm	24-well		Colorimetric	24	**ECM506**
		96-well		Fluorometric	96	**ECM512**
		96-well		Fluorometric	96	**ECM515**
Cell Invasion Assay	8 µm	24-well	ECMatrix™	Colorimetric	12	**ECM550**
		96-well		Fluorometric	96	**ECM555**
		24-well	Collagen I	Colorimetric	24	**ECM551**

Live Cell Imaging Reagents

Fluorescent Dyes, Probes and Biosensors

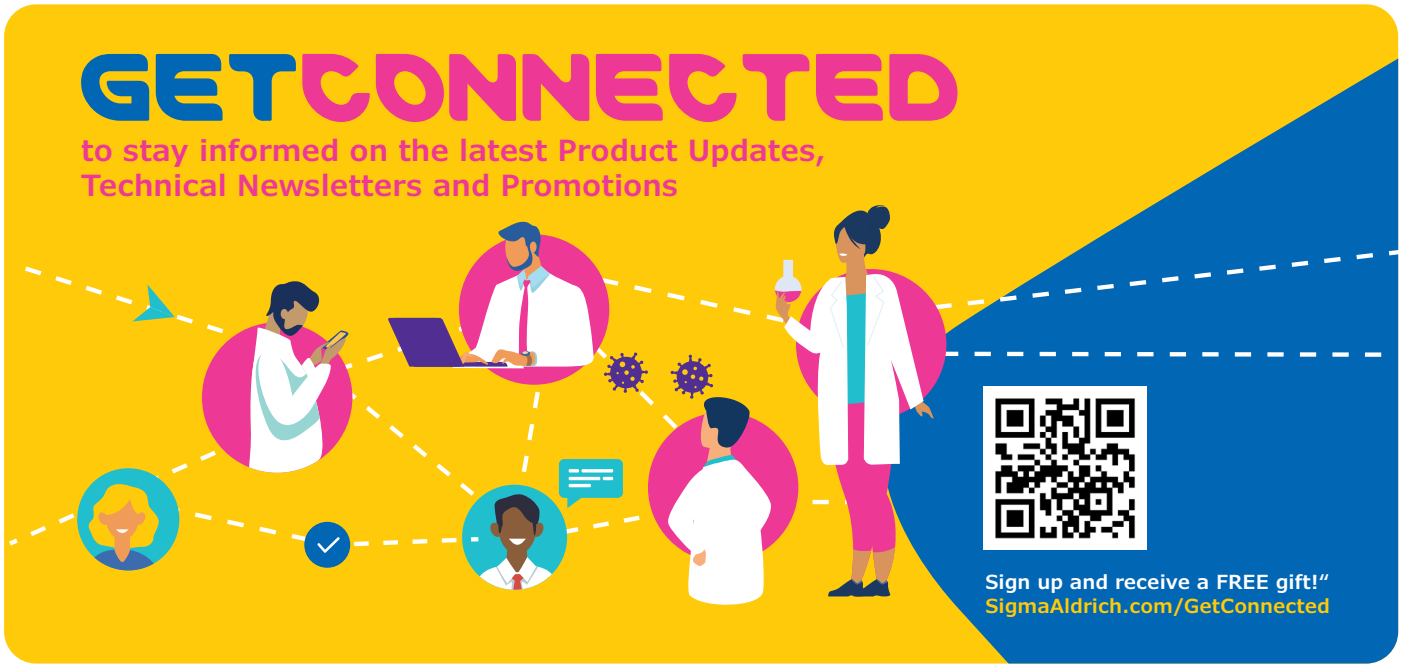
Bring your experiments to life with live cell analysis. Analyzing cellular events in real time can lead to new biological discoveries once unachievable using traditional cellular analysis techniques.

Antibodies: Primary, Secondary and Recombinant Monoclonal Antibodies

Use the Antibody Explorer search tool to view and compare our antibodies from brands you know and trust, including Sigma-Aldrich®, Millipore®, Upstate®, Chemicon®, and Calbiochem®

Cellular Assays

Quantitative, optimized cellular Activity Assays measure Cell Viability, Proliferation, Toxicity, Apoptosis, Oxidative Stress, Migration and more.



Merck has brought together the world’s leading Life Science brands, so whatever your life science problem, you can benefit from our expert products and services.

For more information, please contact:

<Name>
<Title>
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