

# CELL CULTURE

## cells

- ECACC Cell lines
- Primary Cells
- Stem cell lines
- Engineered cell lines
- Induced Pluripotent Stem Cells (EBiSC)

## prepare

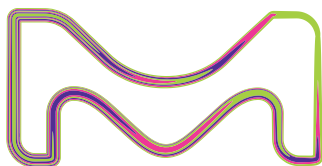
- **Serum**
- **Media**
- **Buffers**
- **Supplements**
- **Antibiotics**
- **Sterile Filtration**
- **Growth Factors**
- Cytokines
- **Extracellular Matrix Proteins (ECM)**

## GROW

- General Labware
- **Millicell® hanging/ standing inserts**
- **Millicell® 24- and 96- well plates**
- HY-Multilayer Flasks
- 3D Cell Culture
- Scepter™ – automated Cell Counter
- Millicell EZ –slide

## Analyze

- Antibodies
- Dyes, Stains
- CellASIC® Onix2 Microfluidic Platform
- ELISpot plates
- **Migration, Invasion, Chemotaxis**





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®

NEW Stericup® Quick Release Sterile Vacuum Filtration System offers the standard you trust in a new 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	<b>S2GPU02RE</b>
			500	500	12	S2GPU05RE
			1000	1000	12	<b>S2GPU11RE</b>
Stericup®-VP Quick Release Filter Units	Millipore Express® (PES)/ removal of mycoplasma	0.1	1000	1000	12	<b>S2VPU11RE</b>
Stericup®-GV Quick Release Filter Units	Durapore® (PVDF) / filtration of high value biomolecules, lowest protein binding	0,22	250	250	12	<b>S2GVU02RE</b>
			500	500	12	<b>S2GVU05RE</b>
			1000	1000	12	<b>S2GVU11RE</b>

## 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	<b>SCGP00525</b>
Steriflip®-GV Filter Units	Durapore® (PVDF)/filtration of high value biomolecules, lowest protein binding	0.22	25	<b>SE1M179M6</b>

## 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	< 100 µl	50	<b>SLGP033RS</b>
					250	<b>SLGP033RB</b>
Millex® 33 mm Durapore® (PVDF)/Lowest binding membrane for protein rich solutions	0.1	VV	100 mL	< 100 µl	50	<b>SLVV033RS</b>
		GV	100 mL	< 100 µl	50	<b>SLGV033RS</b>
					250	<b>SLGV033RB</b>

## Growth Factors

We offer a comprehensive range of growth factors for use in human, mouse, and rat cell culture, stem cell differentiation and ELISA studies.

Description	Cat. No.
Fibroblast Growth Factor basic, human animal-free recombinant	<b>GF003-AF</b>
Fibroblast Growth Factor basic, human recombinant	<b>GF003</b>
EGF, human recombinant animal-free	<b>GF316</b>
EGF, human recombinant	<b>GF144</b>
TNF alpha, human recombinant animal-free	<b>GF314</b>
TNF alpha, human recombinant	<b>GF023</b>

## ECM Proteins

From the most commonly used proteins to more specialized matrices, we have the substrate you need.

Description	Cat. No.
Fibronectin Purified Protein from Human Plasma	FC010
Fibronectin from bovine plasma	F1141-5MG
Poly-D-Lysine Solution, 1 mg/mL	A-003-E
Poly-D-lysine hydrobromide	P6407-5MG
Laminin. Mouse purified	CC095
Laminin from Engelbreth-Holm-Swarm murine sarcoma basement membrane	L2020-1MG
Collagen Type 1, rat tail	08-115
Poly-L-ornithine solution	P4957-50ML

Establishing a successful culture begins with preparing cells and media with high quality Cell Culture products.

Description	Cat. No.
Water, sterile-filtered, suitable for cell culture	W3500-500ML
HEPES solution, 1 M, pH 7.0-7.6, sterile-filtered	H0887-100ML
L-Glutamine solution, 200 mM, solution, sterile-filtered	G7513-100ML
Ala-Gln Solution, 200 mM, solution, sterile-filtered, Biotechnology Performance Certified	G8541-100ML
MEM Non-essential Amino Acid Solution (100x) without L-glutamine, liquid, sterile-filtered	M7145-100ML
D-(+)-Glucose solution, 45% in H <sub>2</sub> O, sterile-filtered	G8769-100ML
Insulin solution human, Chemically defined, recombinant from Saccharomyces cerevisiae, sterile-filtered	I9278-5ML
Bovine Serum Albumin solution, 30% in DPBS, sterile-filtered	A9576-50ML
Penicillin-Streptomycin, with 10,000 units penicillin and 10 mg streptomycin per mL in 0.9% NaCl	P0781-100ML
Penicillin-Streptomycin, Solution stabilized, with 10,000 units penicillin and 10 mg streptomycin/mL	P4333-100ML
Trypan Blue solution, 0.4%, liquid, sterile-filtered	T8154-100ML



## Millicell® Inserts and Plates

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® - 24 Well Cell Culture Insert Plates

Description	System Components	Membrane Pore Size	Qty/Pk	Cat.No.
Millicell®-24 cell culture insert plates	24-well cell culture plate, single-well feeder tray, 24-well receiver tray and lid	PCF (0,4 µm)	1	PSHT010R1
		PET (1,0 µm)	1	PSRP010R1
		PCF (3 µm)	1	PSST010R1

**Cell Freezing:** Protect your cells from damaging ice crystal formation during freezing by using our application-tested cryoprotectants and ready-to-use media.

Description	Cat. No.
Dimethyl sulfoxide, sterile filtered	D2438-50ML
Cell Freezing Medium-DMSO Serum free	C6295-50ML
CryoStor® cell cryopreservation media	C2874-100ML

Choose from a broad range of [dissociation reagents](#)

Description	Cat. No.
Accutase	A6964-100ML
Trypsin solution from porcine pancreas	T4674-100ML
Trypsin from porcine pancreas, lyophilized powder	T5266-500MG
Cell Dissociation Solution Non-enzymatic	C5914-100ML

## 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
		24-well		Colorimetric	24	ECM506
	96-well	Fluorometric	96	ECM512		
		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

#### Curious about our next-generation Stericup® Quick Release Filtration System?

With Millipore membranes, new easy-open packaging, a quick-release collar, a click-seal confidence cap with sensory feedback, and a lighter color for improved labeling, Stericup® Quick Release offers the standard you trust in a new workflow-friendly design.

