

Corning® Matrigel® Basement Membrane Matrix



A solubilised basement membrane preparation extracted from the Engelbreth-Holm-Swarm (EHS) mouse sarcoma, a tumour rich in such ECM proteins as laminin (a major component), collagen IV, heparin sulphate proteoglycans, entactin/nidogen, and a number of growth factors. Effective for the attachment and differentiation of both normal and transformed anchorage-dependent epithelioid and other cell types. These include neurons, Sertoli cells, chick lens, vascular endothelial cells, and hepatocytes. This natural ECM-based hydrogel is among the most widely used models for 2D and 3D cell culture *in vitro*, enabling you to improve the attachment and differentiation of both normal and transformed anchorage dependent epithelioid cells, as well as other cell types.



Formats available:

- Standard formulation – suitable for culture of polarised cells, such as epithelial cells, promotes differentiation of many cell types, including hepatocytes, neurons, beta-islets, mammary epithelial, endothelial, and smooth muscle cells
- High concentration – higher protein concentration provides greater matrix stiffness and scaffold integrity, suitable for cell delivery applications for improved cell engraftment and augmentation of solid tumour formation
- Growth factor reduced (GFR) – suited for applications where a more highly defined basement membrane preparation is desired
- Phenol red free – suitable for assays that require colour detection (e.g. colorimetric, fluorescence)
- hESC-qualified – pre-screened for compatibility with mTeSR®1 medium by Stem Cell Technologies, providing the reproducibility and consistency essential for human embryonic and induced pluripotent feeder free stem cell culture

Code	Description	Pack	Price
356234	Standard formulation	5mL	£303.00
354234	Standard formulation	10mL	£421.00
356232	Standard formulation	25mL (5 x 5mL)	£1354.00
356235	Standard formulation	50mL (5 x 10mL)	£1777.00
356254	Standard formulation	100mL (10 x 10mL)	£4202.00
354248	High concentration	10mL	£779.00
356237	Standard formulation, phenol red free	10mL	£522.00
354262	High concentration, phenol red free	10mL	£756.00
356230	GFR, standard formulation	5mL	£326.00
354230	GFR, standard formulation	10mL	£557.00
356252	GFR, standard formulation	50mL (5 x 10mL)	£2448.00
356253	GFR, standard formulation	100mL (10 x 10mL)	£4552.00
354263	GFR, high concentration	10mL	£749.00
356231	GFR, phenol red free	10mL	£534.00
356238	GFR, phenol red free	50mL (5 x 10mL)	£2461.00
356239	GFR, phenol red free	100mL (10 x 10mL)	£5017.00
354237	Human extracellular matrix	1mg	£259.00
354277	hESC-qualified	5mL	£395.00
356277	hESC-qualified	25mL (5 x 5mL)	£1836.00
356255	For organoid culture, phenol red free	10mL	£655.00

Dissociation and Recovery Reagents

- Recommended for recovering cells cultured on Corning® Matrigel® Basement Membrane Matrix
- Dispace: a bacillus-derived neutral metalloprotease, tested for ability to solubilise a 1mm thick layer of gelled Corning® Matrigel® Matrix after two hours at 37°C
- Cell recovery solution: used full strength to recover cells, tested for ability to depolymerise a 1mm thick layer of gelled Matrigel® Matrix after one hour at 2 to 8°C

Supplied as 100mL

Code	Description	Price
354235	Dispace	£501.00
354253	Cell recovery solution	£94.00