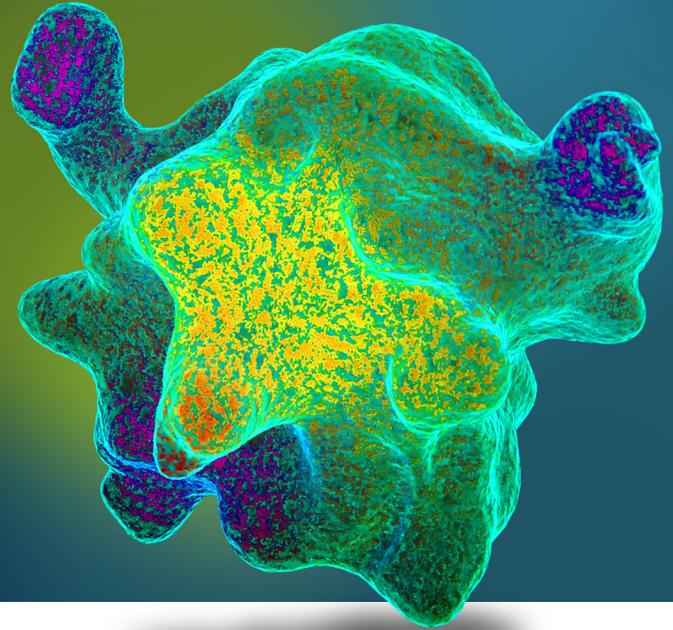


biotechne®

Cultrex™

Extracellular Matrix And Proteins



Cultrex™ Basement Membrane Extract (BME)

- Different formulations to meet evolving research needs and to match your cell's microenvironment.
- MAP tested as raw materials and the final product is tested by PCR for mycoplasma and 30 other pathogens and viruses.
- Developed and manufactured to the highest standards in the industry.
- The lowest level of endotoxins by competitive comparison.
- Lot-to-lot product consistency and comprehensive performance testing.

Cultrex™ BME Selection Chart			
NAME	BUFFER	CONCENTRATION*	RECOMMENDED APPLICATIONS
UltiMatrix™	DMEM	10-12 mg/mL	Stem Cell, Organoid, 2D and 3D Culture, Xenograft/Tumorgraft
Cultrex BME, Type 1	DMEM	8-12 mg/mL	General 2-D Culture, 3-D Culture, Attachment, Invasion, etc.
Cultrex Stem Cell Qualified BME	DMEM	8-12 mg/mL	Stem Cell Culture
Cultrex 3-D Culture Matrix™ BME	DMEM	8-12 mg/mL	3-D Culture
Cultrex Organoid Qualified BME, Type 2	DMEM	8-12 mg/mL	Organoid Culture
Cultrex BME, Type 3	RPMI 1640	8-12 mg/mL	Xenograft/Tumorgraft
Cultrex BME, Type R1	DMEM	8-12 mg/mL	Organoid Culture

*measured by the Lowry assay

Cultrex BME Specifications										
Name	Endotoxin	Sterility	Mycoplasma	PathClear	Tube	Stem Cell	3D Culture	Organoid	Tumor Growth	High Entactin
UltiMatrix	✓	✓	✓	✓		✓		✓		✓
Type 1	✓	✓	✓	✓	✓					
Stem Cell Qualified	✓	✓	✓	✓	✓	✓				
3-D Culture Matrix	✓	✓	✓	✓	✓		✓			
Type 2	✓	✓	✓	✓	✓			✓		
Type 3	✓	✓	✓	✓					✓	
Type R1	✓	✓	✓	✓	✓			✓		✓

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Assay	Specification
Endotoxin	Endotoxin \leq 8 EU/mL by LAL assay.
Sterility	Tested negative for the presence of bacteria and fungi.
Mycoplasma	No mycoplasma contamination detected by PCR.
Pathclear	Tested negative by PCR for 17 bacterial and viral strains typically included in mouse antibody production (MAP) testing, plus 13 additional murine infectious agents including LDEV, for a total of 31 organisms and viruses.
Tube	Promotes differentiation of human umbilical vein endothelial cells (HUVEC) into capillary-like structures.
Stem Cell	Attachment and maintenance of human iPSCs in a pluripotent state in a feeder-free culture.
3-D Culture	Promotes differentiation of a human epithelial cell line derived from mammary gland (MCF-10A) and human prostate (PC-3) into acinar structures.
Organoid	Promotes growth and expansion of mouse small intestine organoid progenitor cells.
Tumor Growth	Supports proliferation and growth of breast cancer cells (MCF7) embedded in the matrix for minimum of 8 days.
Entactin	Entactin content \geq 8% by SDS-PAGE.

Cultrex Purified Extracellular Matrix Proteins

Cultrex purified extracellular matrix (ECM) proteins provide a defined substrate for cell adhesion in culture. To accommodate a variety of different cell models, a full range of ECM component proteins have been developed

including Laminin I, Collagen I, Collagen IV, Fibronectin, and Vitronectin. These include purified proteins that have been qualified for 3-D or stem cell cultures, as well as poly-L-lysine, poly-D-lysine and poly-L-ornithine.

Name	Size	Catalog #
Cultrex UltiMatrix Reduced Growth Factor Basement Membrane Extract	1 mL	BME001-01
	5 mL	BME001-05
	2 x 5 mL	BME001-010
Cultrex Basement Membrane Extract	1 mL	3432-001-01
	5 mL	3432-005-01
	2 x 5 mL	3432-010-01
Cultrex Reduced Growth Factor Basement Membrane Extract	1 mL	3433-001-01
	5 mL	3433-005-01
	2 x 5 mL	3433-010-01
Cultrex Stem Cell Qualified, Reduced Growth Factor Basement Membrane Extract	1 mL	3434-001-02
	5 mL	3434-005-02
	2 mL	3434-010-02
Cultrex 3-D Culture Matrix™, Basement Membrane Extract, Reduced Growth Factor	1 mL	3445-001-01
	5 mL	3445-005-01
	2 x 5 mL	3445-010-01
Cultrex Basement Membrane Extract, Type 2	1 mL	3532-001-02
	5 mL	3532-005-02
	2 x 5 mL	3532-010-02
Cultrex Reduced Growth Factor Basement Membrane Extract, Type 2	1 mL	3533-001-02
	5 mL	3533-005-02
	2 x 5 mL	3533-010-02
Cultrex Basement Membrane Extract, Type 3	1 mL	3633-001-02
	5 mL	3633-005-02
	2 x 5 mL	3633-010-02

Name	Size	Catalog #
Cultrex Reduced Growth Factor Basement Membrane Extract, Type R1	1 mL	3433-001-R1
	5 mL	3433-005-R1
	2 x 5 mL	3433-010-R1
Cultrex Mouse Laminin I, PathClear	1 mg	3400-010-02
Cultrex Stem Cell Qualified Mouse Laminin	1 mg	3400-010-03
Cultrex Mouse Collagen IV	1 mg	3410-010-01
Cultrex Human Fibronectin, PathClear	1 mg	3420-001-01
Cultrex Stem Cell Qualified Human Fibronectin, PathClear	1 mg	3420-001-03
Cultrex Human Vitronectin, PathClear	50 μ g	3421-001-01
Cultrex Stem Cell Qualified Human Vitronectin, PathClear	200 μ g	3421-001-03
Cultrex Poly-L-Ornithine	100 mL	3436-100-01
Cultrex Poly-D-Lysine	100 mL	3439-100-01
Cultrex Poly-L-Lysine	100 mL	3438-100-01
Cultrex Rat Collagen I (5 mg/mL)	1 mL	3440-005-01
	20 mL	3440-100-01
Cultrex Bovine Collagen I (5 mg/mL)	1 mL	3442-005-01
	10 mL	3442-050-01
Cultrex Rat Collagen I, Lower Viscosity (3 mg/mL)	35 mL	3443-100-01
	1 mL	3443-003-01
Cultrex 3-D Culture Matrix Laminin I	30 mg	3446-005-01
Cultrex 3-D Culture Matrix Rat Collagen I	20 mL	3447-020-01

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