



NEW! ECM CELL CULTURE OPTIMIZATION ARRAY

You asked. We delivered.

Finding the best extracellular matrix composition for a new cell line can be challenging. That's why Millipore developed the new **ECM Cell Culture Optimization Array**. This kit is the first commercially available tool capable of determining both the best ECM protein *and* the optimal concentration needed for your cells – all in a single assay.

WHY IS THIS IMPORTANT?

Extracellular matrix (ECM) proteins are essential components of the cellular microenvironment, and *in vivo* can actively regulate a diverse range of cell functions including cell adhesion, differentiation, proliferation, migration/invasion, and survival. In cases where optimal cell growth conditions are not well defined, determining the ideal ECM proteins at functionally relevant concentrations can be a time-consuming and labor-intensive process.

Take the guesswork out of your research, and try our ECM Cell Culture Optimization Array today!



Benefits

- Identifies the ideal ECM protein for your cell type
- Pinpoints the best protein concentration for cell growth
- Detects reliably, sensitively, and rapidly
- Conveniently packaged in one easy kit

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THE EXPERTISE OF UPSTATE® AND CHEMICON®
IS NOW A PART OF MILLIPORE

ORDERING INFORMATION

Description	Qty.	Catalogue No.
ECM Cell Culture Optimization Array (96-Well, Colorimetric)	1 kit	ECM541
ECM Cell Culture Optimization Array (96-Well, Fluorometric)	1 kit	ECM546
ECM Cell Culture Optimization Array (48-Well, Colorimetric)	1 kit	ECM542 <i>Coming Soon</i>

RELATED PRODUCTS

Collagen

Human Collagen Type I	100 µg	CC050
Human Collagen Type II	100 µg	CC052
Human Collagen Type III	100 µg	CC054
Human Collagen Type IV	100 µg	CC076
Human Collagen Type V	100 µg	CC077
Bovine Collagen Type III	10 mg	CC078
Chicken Collagen Type I	1 mg	CC090
Chicken Collagen Type II	1mg	CC092
Rat Tail Collagen Type I	100 mg	08-115

Fibronectin

Human Plasma Fibronectin, purified	1 mg	FC010
Human Cellular Fibronectin	1 mg	08-102
Human Fibronectin, 40kD fragment	500 µg	F1903
Human Fibronectin, 120kD fragment	500 µg	F1904
Bovine Fibronectin	500 µg	FC014

Laminin

Mouse Laminin, purified	1 mg	CC095
Mouse Laminin, purified	2 mg	08-125
Human Merosin	500 µg	CC085
Purified Human Laminin, pepsinized	100 µg	AG56P
Rat Laminin-5, purified	10 µg	CC145

Vitronectin

Purified Human Vitronectin	100 µg	CC080
Recombinant Human Vitronectin	500 µg	08-126

Tenascin

Purified Human Tenascin-C Protein	100 µg	CC065
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Additional Extracellular Matrices

ECL Cell Attachment Matrix	5 mg	08-110
Poly-D-Lysine solution, 1mg/mL	20 mL	A-003-E
Chicken Extracellular Chondroitin Sulfate	100 µg	CC117
Proteoglycan Mix		

■ = Featured product



TO PLACE AN ORDER

Visit www.millipore.com or call 1-800-MILLIPORE.

FOR PRODUCT OR APPLICATION INFORMATION

Visit www.millipore.com/support.

HOW DOES THE ECM CELL CULTURE OPTIMIZATION ARRAY WORK?

The foundation of our kit is a 96-well microtiter plate containing several commonly-used ECM proteins. Collagen I, laminin, fibronectin, and vitronectin are arrayed in triplicate with concentrations ranging from 0.125 µg/mL to 20 µg/mL. You simply culture your cells on the plate and use the included reagents to block, stain, and analyze the adhesion capacity with a plate reader. We have extensively tested and optimized this kit on a variety of cell types including HEK293 cells, as well as our human and rodent neural stem cells.

ECM Cell Culture Optimization Array Results.

Plate view and graphic measurement of the adhesive properties of HEK293 (A, B) and ReNcell human ventral mesencephalon (ReNcell VM, Catalog No. SCC008) derived neural stem cells (C, D) to different ECM substrates using the colorimetric ECM Cell Culture Optimization Array.

