



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

Catalog Number: 150027

Laminin

Source: *Mouse EHS Sarcoma*

Storage Buffer: 0.05 M Tris, 0.15 M NaCl, pH 7.4.

Preparation: Laminin is purified from basement membrane matrix derived from Engelbreth-Holm- Swarm (EHS) mouse sarcoma. It is > 95% pure by SDS-PAGE.

Laminin in Cell Culture: Laminin (approximately 1×10^6 daltons), a cell adhesion factor, is useful in culturing cells on glass or plastic. It is especially valuable in the attachment and/or spreading of epithelial, endothelial and neuronal cells.

Directions for Use: Laminin must be stored frozen. At room temperature, it forms a gel. Thaw Laminin slowly at 0°C to +4°C in a refrigerator or an ice bath. Dilute in sterile distilled water or cell culture media to a volume that will allow the surface to be covered with 1 - 10 ug of Laminin. Allow the diluted Laminin to air dry and wash the surface with sterile media prior to use. Alternatively, the diluted Laminin can be added to the growth surface for 60 minutes, removed, and the cell suspension added. If desired, undiluted Laminin can be added to the surface and a gel will form if placed at 37°C for more than 2 hours.

Reference:

– Ledbetter, S.R., Kleinman, H.K., Hassel, J.R., Martin, G.R., Isolation of Laminin, in *Methods for Preparation of Media, Supplements, and Substrata for Serum Free Cell Culture*. A.R. Liss, Inc., New York, N.Y., 231-238, (1984).