Certificate of Analysis

CORNING® BIOCOAT™ CELLWARE
MOUSE LAMININ
75 cm^2 Tissue Culture Flasks

Corning BioCoat Cellware provides researchers with the ability to control *in vitro* cellular environments for cell growth and differentiation under physiologically relevant conditions. Extracellular Matrix (ECM) is secreted by cells to form interstitial matrix and basement membrane which constitutes the framework to which cells are anchored. Basement membrane separates cells from mesenchymal connective tissue and provides the spatial orientation and stability required for the organization and development of the characteristic histology of specific tissues. In addition to its structural function, ECM has been recognized for the dynamic role it plays in the regulation of cell growth, differentiation and biochemical function. ECM also appears to function in the sequestration, storage and presentation of growth factors. Corning BioCoat Cellware is suitable for serum-free or serum-containing cultures to promote cell attachment, spreading, growth and/or differentiation of a variety of normal and neoplastic cells.

Applications
Corning BioCoat Cellware may be used for studies of cellular differentiation, cell-matrix interactions, receptor-ligand binding, gene expression and regulation, embryogenesis and organ development, drug screening and sensitivity assays and the culture of primary tumors.

CATALOG NUMBER:	354522	LOT NUMBER: 5173012
PLASTICWARE:	Falcon® Tissue Culture Flasks	
PACKAGING:	75 cm^2 tissue culture flasks (10 each)	
EXTRACELLULAR MATRIX:	Laminin is useful as a substrate for growth and differentiation of many cell types such as epithelial, endothelial, muscle and neuronal cells. Specific applications for laminin-treated cellware include outgrowth of blastocysts,[1] growth cone elongation of sensory neurons,[2] cell-substrate interaction during adhesion of keratinocytes[3] and myeloma cells lines,[4] and study of the effects of ECM on macrophage function.[5]	
SOURCE:	Engelbreth-Holm-Swarm (EHS) mouse tumor.	
QUALITY CONTROL:	Corning BioCoat Mouse Laminin Cellware has been tested for its ability to promote differentiation and neurite outgrowth in NG-108 (mouse neuroblastoma/rat glioma) cells. Tested and found negative for the presence of bacteria and fungi.	

Discovery Labware, Inc., Two Oak Park, Bedford, MA 01730, Tel: 1.978.442.2200 (U.S.)
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For Research Use Only. Not for use in diagnostic or therapeutic procedures.

STORAGE: Stable when stored at 2-8°C. **DO NOT FREEZE.**

EXPIRATION DATE: May 2, 2019

REFERENCES:

1. O'Shea, K.S., et al., J. Cell Biol., **111**:2713 (1990).
2. Lamoureux, P., J. Cell Biol., **118**:655 (1992).
3. Carter,W.G., et al., J. Cell Biol., **110**:1387 (1990).
4. Uchiyama, H., et al., Blood, **80**:2306 (1992).
5. McKay, D.B., et al., J. Clin. Invest., **89**:134 (1992).

SAFETY RECOMMENDATION: Handle in accordance with good industrial hygiene and laboratory safety practices.

Quality Assurance

Oct. 7, 2015
Date

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