

## CERTIFICATE OF ANALYSIS

**PRODUCT:** Corning® Matrigel® Basement Membrane Matrix, 10 ml vial  
**CATALOG NUMBER:** 354234

**LOT NUMBER:** 05025002

**SOURCE:** Engelbreth-Holm-Swarm (EHS) Mouse Tumor  
**FORMULATION:** Dulbecco's Modified Eagle's Medium with 50 µg/ml gentamycin  
Corning Matrigel Basement Membrane Matrix is compatible with all culture media  
**STORAGE:** Store at -20°C. Avoid multiple freeze-thaws. Do not store in frost-free freezer. **KEEP FROZEN.**

### QUALITY CONTROL:

| Specification         | Criteria                                                                                                                                                                                                                                                       | Result   |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Protein Concentration | Results obtained by Lowry method and represented in mg/ml.                                                                                                                                                                                                     | 8.6      |
| Endotoxin             | Endotoxin units (EU)/ml are measured by Limulus Amoebocyte Lysate assay.                                                                                                                                                                                       | 4.9      |
| Gelling               | Tested for ability to gel quickly and maintain this form with culture medium for a period of 14 days at 37°C.                                                                                                                                                  | PASS     |
| Biological Activity   | Biological activity is determined using a neurite outgrowth assay. Chick dorsal root ganglia are plated on a 1.0 mm layer of Corning Matrigel Matrix. Tested for a positive neurite outgrowth response after 48 hours without addition of nerve growth factor. | PASS     |
| Sterility             | Tested for the presence of bacteria, fungi and mycoplasma.                                                                                                                                                                                                     | NEGATIVE |
| LDEV/LDHV             | Finished goods tested for the presence of Lactate Dehydrogenase-Elevating Virus                                                                                                                                                                                | NEGATIVE |

Mouse colonies and/or tumor source are tested via serology or PCR and found to be negative for the following: LDEV/LDHV, Sendai Virus, Mouse Hepatitis Virus (MHV), Pneumonia Virus of Mice (PVM), Theiler's Virus (TMEV/GDVII), Ectromelia Virus, Polyoma Virus, Epizootic Diarrhea of Infant Mice (EDIM), Lymphocytic Choriomeningitis Virus (LCM), Murine Cytomegalovirus (MCMV), Mouse Adenovirus (1,2), Respiratory Enteric Virus (1, 2, 3), Mouse Parvovirus (MPV), Mouse Thymic Virus (MTV), Hantaan Virus, K Virus, Cilia Associated Respiratory Bacillus (CARB), Mycoplasma pulmonis, Helicobacter Spp., Mouse Minute Virus (MMV), Murine Norovirus.

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

Expiration Date: April 28, 2027

Quality Assurance:

*Elisabeth B. Hartigan*

Date:

*April 7, 2025*

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