

CERTIFICATE OF ANALYSIS

PRODUCT: Corning® Matrigel® hESC-qualified Matrix, 5 ml vial

CATALOG NUMBER: 354277

LOT NUMBER: 26724001

DILUTION FACTOR: 300 µL

SOURCE: Engelbreth-Holm-Swarm (EHS) Mouse Tumor

FORMULATION: Dulbecco's Modified Eagle's Medium with 50 µg/ml gentamycin
Corning Matrigel hESC-qualified 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
Endotoxin	Endotoxin units (EU)/ml are measured by Limulus Amoebocyte Lysate assay.	<1.5
hESC Qualification	Qualified for use with StemCell Technologies' mTeSR™1 medium medium. Human embryonic stem cells were grown in mTeSR™1 on Corning Matrigel hESC-qualified Matrix-coated plates for five passages and remained undifferentiated by standard morphology and surface marker expression.	PASS
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

NOTE: Human embryonic stem cell research may be restricted in your national jurisdiction. Prior to the use of this product for hESC research, please consult your applicable laws regarding such activities.

Expiration Date: December 2, 2026

Quality Assurance:

Eugene B. Hartigan

Date:

January 6, 2025

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