

CERTIFICATE OF ANALYSIS

PRODUCT: Corning® Matrigel® hESC-qualified Matrix, 5 ml vial
CATALOG NUMBER: 354277

LOT NUMBER: 3129002

DILUTION FACTOR: 290 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
MAP Test	Mouse colonies screened for Sendai, MHV, PVM, TEMV/GDVII, Ectro, Polyoma, MRV/EDIM, LCM, MCMV, M.Ad, Reo, MPV, LDEV/LDHV, MTV, Hantaan, K, RCMV, CARB	NEGATIVE
PCR Test	Tumor source tested for <i>Mycoplasma</i> spp., <i>Helicobacter</i> , LDEV/LDHV, Sendai, MHV, PVM, MMV/MVM, MPV, Reo (1, 2, 3), MRV/EDIM, Ectro, LCM, K, MTV, Polyoma, Hantaan, Seoul, M. Ad (1, 2), MCMV, Norovirus, TMEV/GDVII, KRV, Toolan's H-1, RCV/SDA Finished goods tested for LDEV/LDHV.	NEGATIVE

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: June 24, 2025

Quality Assurance

Eugene B. Hartigan

Date

August 17, 2023

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