

# CERTIFICATE OF ANALYSIS

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

**LOT NUMBER:** 9238002

**DILUTION FACTOR:** 309 µl

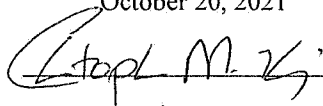
**SOURCE:** Engelbreth-Holm-Swarm (EHS) Mouse Tumor  
**FORMULATION:** Dulbecco's Modified Eagle's Medium with 50 µg/ml gentamycin  
Corning Matrigel hESC-qualified Matrix is compatible with all culture media  
**STORAGE:** Store at -20°C. Avoid multiple freeze-thaws. Do not store in frost-free freezer. **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 spp.</i> , <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: October 20, 2021  
Quality Assurance:   
Date: November 22, 2019

Corning Restricted  
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