Certificate of Analysis

EPIDERMAL GROWTH FACTOR, CULTURE GRADE

EGF, Culture grade, is isolated by Bio-Gel P-10 chromatography as described by Savage and Cohen.[1] It is a product of excellent purity containing trace ammonium acetate, and is particularly suited for serum-containing or defined culture medium applications.

CATALOG NUMBER:	354001	LOT NUMBER: 2346003
SOURCE:	Mouse submaxillary glands	
MOLECULAR WEIGHT:	6100	
QUANTITY:	100 micrograms per vial	
PURITY:	≥80% by 10% SDS PAGE Analysis	
	≥95% by 16% SDS PAGE Analysis	

RECONSTITUTION AND USE:

Epidermal Growth Factor, Culture grade, is lyophilized from a membrane-filtered (0.20 micron) solution. To reconstitute, add 1 to 5 mls of sterile distilled water and swirl vial to effect complete solution. If entire amount of material is not to be used immediately, transfer aliquots to sterile plastic tubes and store at-20°C. It is recommended that solubilized product is used within 2 months. **AVOID REPEATED FREEZING/THAWING OF RECONSTITUTED EGF SOLUTION**.

EGF, Culture grade may be added to culture medium at any desired concentration. Concentrations commonly employed in cell culture applications range from 5 to 100 nanograms per milliliter of medium.

QUALITY CONTROL: EGF, Culture grade has been tested for mitogenic activity in a cell proliferation assay using human foreskin fibroblasts grown for 7 days in DME + 10% fetal bovine serum. Four nanograms of this lot per ml culture medium caused a 2.04 -fold increase in cell number over control cultures without EGF.

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

EXPIRATION DATE: October 27, 2024

REFERENCES: 1. Savage, Jr., C.R. and Cohen S., J. Biol. Chem. 247: 7609, 1972.

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

Elizabeth B Hartigan
Quality Assurance

January 05, 2023
Date

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