

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:	4272001
SOURCE:	Mouse submaxillary glands		
MOLECULAR WEIGHT:	6100		
QUANTITY:	100 micrograms per vial		
PURITY:	$\geq 80\%$ by 10% SDS PAGE Analysis $\geq 95\%$ by 18% 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 1.94 -fold increase in cell number over control cultures without EGF.
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STORAGE:	Stable when stored at $2-8^{\circ}\text{C}$. DO NOT FREEZE.
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EXPIRATION DATE:	August 16, 2016
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REFERENCES:	1. Savage, Jr., C.R. and Cohen S., J. Biol. Chem. <u>247</u> : 7609, 1972.
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Quality Assurance



Date

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