

## 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.<sup>1</sup> 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: 4069007  
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 ml 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  $-20^{\circ}\text{C}$ . 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 1.76-fold increase in cell number over control cultures without EGF.

STORAGE: Stable when stored at  $2-8^{\circ}\text{C}$ . **DO NOT FREEZE.**

EXPIRATION DATE: January 19, 2016

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

  
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Quality Assurance

  
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Date

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