## 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.

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| CATALOG NUMBER: | 354001 | LOT NUMBER: 6109010 |
| SOURCE: | Mouse submaxillary glands | |
| MOLECULAR WEIGHT: | 6100 | |
| QUANTITY: | 100 micrograms per vial | |
| PURITY: | ≥80% by 10% SDS PAGE Analysis | |
| | ≥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 2.23 -fold increase in cell number over control cultures without EGF. | |
| STORAGE: | Stable when stored at 2-8°C. **DO NOT FREEZE.** | |
| EXPIRATION DATE: | March 14, 2018 | |
| 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. | |

**Quality Assurance**

May 19, 2016
**Date**

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