



Bronchial Epithelial Cell Growth Supplement (BEpiCGS)

Catalog Number: 3262

Product Description

Bronchial Epithelial Cell Growth Supplement (BEpiCGS) is a medium supplement designed for the optimal growth of normal human keratinocytes *in vitro*. It is a sterile, concentrated (100X) solution which contains growth factors, hormones, and proteins necessary for the culture of normal human keratinocytes. The supplement is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced growth environment that maximally promotes the growth of normal human bronchial epithelial cells *in vitro*. The supplement is designed as an additive for Bronchial Epithelial Cell Medium (BEpiCM, Cat. No. 3211) and should be used in conjunction with that medium.

Components

BEpiCGS is packaged in the quantity of supplement suited for a 500 ml bottle of BEpiCM. When a 500 ml bottle of BEpiCM is supplemented with BEpiCGS, the final concentrations of the supplement components per milliliter will be BSA 5 μg , transferrin 5 μg , BPE 50 μg , insulin 5 μg , FGF-2 5 ng, Epinephrine 500 ng, hydrocortisone 0.5 μg , Prostaglandin E₂ 10⁻⁸ M and T₃ 30 nM. **Note:** Due to BPE in the growth supplement, formation of lipoproteins can cause precipitates to be present; the color may vary with different lots.

Product Use

BEpiCGS is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Storage

Store BEpiCGS at -20°C before adding to neuronal medium.

Shipping

Dry ice.

Prepare for use

Thaw BEpiCGS at 37°C. Gently tilt the BEpiCGS tube several times during thawing to help the contents dissolve. Make sure the contents of the supplement are completely dissolved into solution before adding to the medium. Rinse the bottle and tubes with 70% ethanol, and then wipe to remove excess. Remove the cap, being careful not to touch the interior threads with fingers. Add BEpiCGS and other component (P/S solution) into medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of BEpiCM are light-labile, it is recommended that the medium not be exposed to light for lengthy periods of time. If the medium is warmed prior to use, do not exceed 37°C. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

Caution: If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly.