



Meningeal Cell Growth Supplement (MenCGS)

Catalog Number: 1452

Product Description

Meningeal Cell Growth Supplement (MenCGS) is a medium supplement designed for the optimal growth of normal human meningeal Cells *in vitro*. It is a sterile, concentrated (100X) solution which contains growth factors, hormones, and proteins necessary for the culture of normal human meningeal cells. The supplement is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced growth environment that maximally promotes the growth of normal human meningeal cells *in vitro*. The supplement is designed as an additive for Meningeal Cell Medium (MenCM, Cat. No. 1401) and should be used in conjunction with that medium.

Components

MenCGS is packaged in the quantity of supplement suited for a 500 ml bottle of Meningeal Cell medium. When a 500 ml bottle of Meningeal Cell Medium is supplemented with MenCGS, the final concentrations of the supplement components per milliliter will be BSA 10 µg, apo-transferrin 10 µg, insulin 10 µg, EGF 2 ng, FGF-2 2 ng, IGF-I 2 ng, hydrocortisone 1 µg and retinoic acid 10^{-7} M.

Product Use

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

Storage

Store the MenCGS at -20°C before adding to Meningeal Cell Medium.

Shipping

Dry ice.

Prepare for use

Thaw MenCGS at 37°C. Gently tilt the MenCGS 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 MenCGS and other components (FBS and P/S solution) into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of Meningeal Cell Medium 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.