ScienCell™
Research Laboratories

Adipocyte Growth Supplement (AdGS)

Catalog Number: 7262

Product Description

Adipocyte Growth Supplement (AdGS) is a medium supplement designed for maintenance of normal human adiopocyte culture *in vitro*. It is a sterile, concentrated (100X) solution which contains proteins necessary for the culture of normal human preadipocytes. The supplement is formulated (quantitatively and qualitatively) to provide an optimally balanced growth environment that maintains normal human adipocyte culture *in vitro*. The supplement is designed as an additive for Adipocyte Medium (AdM, Cat. No. 7201) and should be used in conjunction with that medium.

Components

AdGS is packaged in the quantity of supplement suited for a 500 ml bottle of Adipocyte Medium. When a 500 ml bottle of adipocyte medium is supplemented with AdGS, the final concentrations of the supplement components will be BSA 10 μg/ml, apo-transferrin 10 μg/ml, insulin 5 μg/ml, dexamethasone 1 μM.

Product Use

AdGS 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 AdGS at -20°C before adding to Preadipocyte Medium.

Shipping

Dry ice.

Prepare for use

Thaw AdGS at 37°C. Gently tilt the AdGS 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 AdGS 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 Adipocyte 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.