Adipocyte Medium
(AdM)
Catalog Number: 7201

Product Description

Adipocyte Medium (AdM) is developed as a maintenance medium used after differentiation of human preadipocytes to mature adipocytes *in vitro*. It is a sterile liquid medium, which contains all of the components necessary to support lipid accumulation in the maturing adipocytes. The medium is HEPES and bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO_2/95% air.

Components

AdM consists of 500 ml of basal medium, 12.5 ml of fetal bovine serum (FBS, Cat. No. 0012), 5 ml of Adipocyte Growth Supplement (AdGS, Cat. No. 7262) and 5 ml of penicillin/streptomycin solution (P/S, Cat. No. 0503).

Product Use

AdM 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 basal medium at 4ºC, the AdGS, the FBS and the P/S solution at -20ºC. Protect from light.

Shipping

Gel ice.

Prepare for use

Thaw AdGS, FBS and P/S solution at 37ºC. 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, 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 this 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 37ºC. When stored in the dark at 4ºC, 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.