



## 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<sub>2</sub>/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 4°C, the AdGS, the FBS and the P/S solution at -20°C. Protect from light.

### Shipping

Dry ice.

### Prepare for use

Thaw AdGS, FBS and P/S solution 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, 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 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.*