Fibroblast Medium-animal component free (FM-acf)
Catalog Number: 2321

Product Description
Fibroblast Medium-animal component free (FM-acf) is a complete medium designed for optimal growth of normal human fibroblasts in vitro. It is a sterile, liquid medium which contains non-animal source of essential and non-essential amino acids, vitamins, lipids, organic and inorganic compounds, hormones, growth factor, trace minerals and plant extract. The medium is HEPES and bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO₂/95% air. The medium is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced nutritional environment that selectively promotes proliferation and growth of normal human fibroblasts in vitro.

Components
FM-acf consists of 500 ml of basal medium, 5 ml of fibroblast growth supplement-animal component free (FGS-acf, Cat. No. 2372), and 5 ml of penicillin/streptomycin solution (P/S, Cat. No. 0503).

Product Use
FM-acf 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 FGS-2 and the P/S solution at -20°C. Protect from light.

Shipping
Gel ice.

Prepare for use
Thaw FGS-acf and P/S solution at 37°C. Gently tilt the FGS-acf 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 FGS-acf 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.