

SKELETAL MUSCLE CELL MEDIUM KIT





Product Type: Skeletal Muscle Cell Medium Kit
Catalog Number: P60124

国内流通品はFBSを含んでおりません。別途、FBSを25mL添加してご使用ください。

Product Description

Skeletal Muscle Cell Medium (SkMCM) is a complete medium designed for optimal growth of normal human skeletal muscle cells in vitro. It is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors, trace minerals and a low concentration of fetal bovine serum (5%). The medium is 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 growth of normal human skeletal muscle cells in vitro..

Kit Components

-  500 ml of Basal Medium
- ~~ 25 ml of fetal bovine serum (FBS)~~
-  5 ml of Skeletal Muscle Cell Growth Supplement (SKMCGS).
-  5 ml of penicillin/streptomycin solution (P/S solution)

別途、FBSを25mL添加してください。

Prepare for use

Thaw SkMCGS, FBS and P/S solution at 37°C. Gently tilt the SkMCGS 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 SkMCGS, 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 it properly.