

Mesothelial Cell Medium

Product Type:	Mesothelial Cell Medium
Catalog Number:	P60167

Product Description

Mesothelial Cell Medium (MtCM) is a complete medium designed for optimal growth of normal human mesothelial 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 and trace minerals. The medium is a 15% Serum. It 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 kit is also formulated (quantitatively and qualitatively) with a cocktail of growth factors to provide a defined and optimally balanced nutritional environment that selectively promotes proliferation and growth of normal human mesothelial cells *in vitro*.

Components

- 500 ml of Basal Medium
- 5 ml of growth supplements (MtGS)
- 5 ml of penicillin/streptomycin solution (P/S solution)
- 75 ml FBS

Prepare for use

Thaw FBS and P/S solution at 37°C. To induce differentiation and proliferation of the cells, thaw also MtGS tube at 37°C. Gently tilt the tubes 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 FBS and P/S solution into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. 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.

Product Use

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use *in vitro* diagnostic or clinical procedures.