

## MAMMARY EPITHELIAL CELL MEDIUM (MEpiCM)

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<b>Product Type:</b>	Mammary Epithelial Cell Medium
<b>Catalog Number:</b>	P60156

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### **Product Description**

Mammary Epithelial Cell Medium (MEpiCM) is a complete medium designed for optimal growth of human normal mammary epithelial 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 serum-free. It 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. The medium is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced nutritional environment that selectively promotes proliferation and growth of human normal mammary epithelial cells *in vitro*.

### **Components**

- 500 ml of Basal Medium
- 5 ml of Mammary Epithelial Cell Growth Supplement (MEpiCGS).
- 5 ml of penicillin/streptomycin solution (P/S solution)

**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.

### **Prepare for use**

Thaw MEpiCGS and P/S solution at 37°C. Gently tilt the MEpiCGS 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 MEpiCGS 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.

### **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.