REF: P60131

CORNEAL EPITHELIAL CELL MEDIUM KIT

Product Type: Corneal Epithelial Cell Medium

Catalog Number: P60131

Product Description

Corneal Epithelial Cell Medium (CEpiCM), when used with Corneal Epithelial Cell Growth Supplement (CEpiCGS), is a complete medium designed for optimal growth of normal corneal 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 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 an optimally balanced nutritional environment that selectively supports the growth of normal corneal epithelial cells in vitro.

Components

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

Prepare for use

Thaw CEpiCGS and P/S solution at 37°C. Gently tilt the tubes several times to ensure complete mixing. (Note: the presence of BPE in the growth supplement may result in lipoprotein precipitates; this does not reduce the efficacy of the supplement). Spray the medium bottle and tubes with 70% ethanol, and wipe to remove excess liquid. In a sterile field, remove the caps without touching the interior threads with fingers. Add CEpiCGS and P/S to the medium and mix well. Since several components are light-labile, the medium should not be exposed to light for extended periods. We do not recommend warming medium in a 37°C water bath prior to use. When stored in the dark at 4°C, the reconstituted medium is stable for one month..

NOTE:

Due to bovine pituitary extract (BPE) in the growth supplement, the color may vary with different lots and formation of lipoproteins can result in precipitates. This does not affect the biological activity.

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