

COLONIC EPITHELIAL CELL MEDIUM – SERUM FREE

Product Type:	Colonic Epithelial Cell Medium Kit
Catalog Number:	P60165

Product Description

Colonic Epithelial Cell Medium (CoEpiCM) is a complete medium designed for optimal growth of normal human colonic 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% 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 colonic epithelial cells in vitro.

Components

-  500 ml of Basal Medium
-  5 ml of colonic epithelial cell growth supplement (CoEpiCGS).
-  5 ml of penicillin/streptomycin solution (P/S solution)

Prepare for use

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

Note: Due to BPE in the growth supplement, formation of lipoproteins can cause precipitates to be present and the color may vary with different lots.