



Cervical Epithelial Cell Medium (CerEpiCM) Catalog #7061

Product Description

Cervical Epithelial Cell Medium (CerEpiCM), when used with Cervical Epithelial Cell Growth Supplement (CerEpiCGS, Cat. #7062), is a complete medium designed for optimal growth of normal human cervical 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 cervical epithelial cells *in vitro*.

Note: Due to the presence of bovine pituitary extract (BPE) in the growth supplement, lipoproteins may precipitate during storage, but this does **not** affect the biological activity of the growth supplement.

Components

CerEpiCM consists of 500 ml of basal medium, 5 ml of Cervical Epithelial Cell Growth Supplement (CerEpiCGS, Cat. #7062) and 5 ml of penicillin/streptomycin solution (P/S, Cat. #0503). *Note: CerEpiCGS and P/S are not pre-mixed in CerEpiCM; they must be added separately to make the complete CerEpiCM.*

Product Use

CerEpiCM is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Storage

Store the basal medium at 4°C and the CerEpiCGS and P/S solution at -20°C. Protect from light.

Shipping

Basal medium: room temperature. Supplements: dry ice.

Instructions for Use

Thaw CerEpiCGS 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 CerEpiCGS 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.

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.