CORNEAL EPITHELIAL MEDIUM SUPPLEMENT (100X)
Product No. C1590
Store at -20°C

Product Description
Corneal Epithelial Medium Supplement (100X) is a sterile, concentrated liquid tissue culture medium supplement intended for use as one component in a complete culture environment for the growth of rabbit corneal epithelial cells. To fully support plating and proliferation of these cells, this product is designed to supplement Corneal Epithelial Basal Medium [Product No. C1715].

Corneal Epithelial Medium Supplement is a sterile, concentrated (100X) solution. It contains all of the supplements necessary for the growth of rabbit corneal epithelial cells when added to Corneal Epithelial Basal Medium. Each tube (1 ml or 5 ml) of Corneal Epithelial Medium Supplement contains bovine pituitary extract, epidermal growth factor, insulin and hydrocortisone.

Corneal Epithelial Basal Medium contains essential and non-essential amino acids, vitamins, trace minerals, organic compounds and inorganic salts. It is HEPES and bicarbonate buffered. Corneal Epithelial Basal Medium contains no hormones, growth factors or other proteins and does not contain antibiotics or antifungals.

Preparation of Supplemented Medium
To use Corneal Epithelial Medium Supplement, simply thaw contents of the container, add it to the appropriate amount of Corneal Epithelial Basal Medium and you are ready to culture your cells.

1. Thaw one tube of Corneal Epithelial Medium Supplement
2. Wipe the outside of the containers with a disinfecting solution such as 70% ethanol.
3. In a laminar flow culture hood using sterile technique, transfer the entire contents of the tube of Corneal Epithelial Medium Supplement to the bottle of Corneal Epithelial Basal Medium.
4. Tightly cap the bottle of supplemented medium and swirl the contents to insure a homogeneous solution. Yields 100 ml or 500 ml of complete medium.

Product Storage
Corneal Epithelial Medium Supplement (100X) is shipped frozen and should be stored at -20°C. When stored frozen, the product is stable until the expiration date on the label. When stored at 2-8°C, Corneal Epithelial Medium Supplement is stable for 1 month. Supplemented complete medium may also be stored at 2-8°C for up to 1 month in the dark.

Deterioration of the liquid medium may be recognized by any or all of the following: [1] pH change, [2] precipitate or particulate matter throughout the solution, [3] cloudy appearance [4] color change. The nature of supplements added may affect storage conditions and shelf life of the medium. Product labels bear expiration date.

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