
【M-Stars D】 (For research use only)

Product Description M-Stars D (Keratinocyte Growth Medium) is a medium developed for culture of epithelial cells such as cornea, conjunctiva, skin and oral mucosa. M-Stars D is suitable for primary cell culture of corneal epithelial cells and oral mucosal epithelial cells. This medium contains growth factor, and therefore it is possible to use of cell culture immediately by a suitable addition of FBS and antibiotic as the need arises.

Product Contents M-Stars D 500 mL

Product No.

Storage 2 to 8°C in the dark

Shelf-life This medium has a shelf-life of 10 weeks if stored in the dark at 2 to 8°C.

Instructions for Use

1. M-Stars D incubated at 37°C after addition of FBS and antibiotic as the need arises.
2. Cells are gently suspended in M-Stars D.
3. Cultures are incubated in atmosphere of 5% CO₂ in air at 37°C.

Cell Culture Conditions

1. In case of use amniotic membranes as matrix for cultures, this medium demonstrates superior cell growth of corneal epithelial cells and oral mucosal epithelial cells¹⁾.
2. Cell growth activates by use of feeder cells.
3. Since cell growth has individual difference, it is necessary to examine concentration of FBS.

Caution

1. For research use only.
2. Not intended for human or animal diagnostic or therapeutic uses.
3. In case of low cell density, cell growth may take a lot of time to proliferation.
4. Since cell growth has individual difference, in some cases cells may not proliferate.

References 1) Nakamura T, Ang LPK, Rigby H, Sekiyama E, Inatomi T, Sotozono C, Fullwood NJ, Kinoshita S. The Use of Autologous Serum in the Development of Corneal and Oral Epithelial Equivalents in Patients with Stevens-Johnson Syndrome. *Invest Ophthalmol Vis Sci.* 2006; 47: 909-916

● For further information on this products, contact at the following.



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