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Guide for Use

Hutrigel®-RU

Catalog Number HR-XXXX

Product Description

Hutrigel® is a xeno-free solubilized basement membrane extracellular matrix(ECM) derived from the human normal cell culture, including collagens, laminin, fibronectin, and several proteoglycans and glycosaminoglycans. It provides for a more tissue- like environment, due to native/normal ECM, which form fibrils through a self-assembly process at neutral pH. Hutrigel® is designed to enhance performance and quality, ensure low endotoxin levels, provide reliable supply, and maintain lot-to-lot consistency. Hutrigel® is supplied in Dulbecco's Phosphate Buffered Saline(DPBS) and is compatible with all culture media.

Intended Use

Hutrigel® has been developed, produced, and qualified for general cell culture applications, including 2-D or 3-D culture, attachment, tumor invasion, and angiogenesis assays. Hutrigel® is processed to reduce growth factors to provide a more defined environment model system.

※ The growth factors concentration in this product is significantly lower than that in Matrigel®-Growth Factor Reduced (GFR). Please consider it when using Hutrigel®.

Storage

Stable for 6 months when stored at 2~8 ℃.

Procedure

※ It is fine ***not to use*** cooled-pipettes or cooled-cell culture plates !

Thin layer method (non-gelling)

1. Dilute the Hutrigel® in cold medium; Empirical determination of the optimal coating concentration for your application may be required.
   ※ Ensure that the dilution factor does not go below 1/10.
2. Plate the appropriate volume of the diluted Hutrigel® in the cell culture plate and allow it to incubate for 4 hours at 4℃.
3. Incubate for 30 min at 37℃ in a humidified CO2 incubator
4. Carefully aspirate the remaining solution and plate cells.

3-D gel method

1. Incubate the plate that you want to use for at least 30 min at 37℃ humidified CO2 incubator (optional).
2. Mix Hutrigel® to homogeneity.
3. Add cells to Hutrigel® and suspend; be careful not to introduce air bubbles.
4. Transfer the mixture to the cell culture plate.
5. Incubate for 2 hours at 37℃ in a humidified CO2 incubator for gel formation.
6. Carefully add additional medium to cover hydrogel.

Precaution

- This product is for R&D use only, not for use in therapeutic procedures and diagnostic.
- Solution may be slightly hazy and contain some insoluble aggregated material.

PILOT PRODUCT