3D-Mammary Fibroblast Spheroid Medium (3D-HMFSpM)

Catalog #3D-7631

Product Description

3D- Mammary Fibroblast Spheroid Medium (3D- HMFSpM) is a specialized medium designed for the generation and maintenance of spheroids consisting of human mammary fibroblast *in vitro* in conjunction with fetal bovine serum (FBS, Cat. #0010) and 3D-mammary fibroblast spheroid supplement (3D-HMFSpS, Cat. #3D-7632). 3D-HMFSpM is a sterile, viscous medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, and trace minerals. The medium is bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO_2/95% air.

Components

3D- HMFSpM consists of 200 ml of basal medium, 10 mL of FBS (Cat. #0010), 2 mL of 3D-mammary fibroblast spheroid supplement (3D-HMFSpS, Cat. #3D-7632), and 2 mL penicillin/streptomycin solution (P/S, Cat. #0583). *Note: 3D-HMFSpS, FBS, and P/S are not pre-mixed in the 3D-HMFSpM; they must be added separately to make the complete medium.*

Product Use

3D-HMFSpM 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 4ºC and the 3D-HMFSpS, FBS, and P/S solution at -20ºC. Protect from light.

Shipping

Basal medium: room temperature. Supplements: dry ice.

Instructions for Use

Thaw 3D-HMFSpS, FBS, and P/S solution at 37ºC. Gently tilt the tubes several times to ensure the contents are completely mixed before adding to the medium. 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 3D-HMFSpS, FBS, and P/S solution to the medium and mix carefully. Gentle mixing of the viscous 3D culture medium is recommended to avoid bubble formation. 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 37ºC water bath prior to use. When stored in the dark at 4ºC, 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.