



**3D Medium-serum free
(3D-M-SF)
Catalog #8001**

Product Description

3D Medium-basal-serum free (3D-M-SF), when used with 3D Growth Supplement (3D-GS, Cat #8052), is a complete medium designed for establishing 3D culture in type I collagen gel. It is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds 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.

Components

3D-M-SF consists of 100 ml of basal medium, 1 mL of 3D-GS (Cat. # 8052) and 1 mL penicillin/streptomycin solution (P/S, Cat. #0573). *Note: 3D-GS and P/S are not pre-mixed in the 3D-M-SF; they must be added separately to make the complete medium.*

Product Use

3D-M-SF 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 3D-GS and P/S solution at -20°C. Protect from light.

Shipping

Basal medium: room temperature. Supplements: dry ice.

Instructions for Use

Thaw 3D-GS and P/S solution at 37°C. 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-GS and P/S solution to the basal medium and mix appropriately. 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.