



StemGS® Human Embryonic Stem Cell Growth Supplement 50X (StemGS)

Catalog #5852

Product Description

Human Embryonic Stem Cell Growth Supplement (StemGS®) is a sterile, concentrated (50X) solution which contains growth factors, hormones, and proteins necessary for the culture of human embryonic stem cells and induced pluripotent stem cells. The supplement is formulated (quantitatively and qualitatively) to provide an optimally balanced environment that maximally promotes the growth of human embryonic stem cells and induced pluripotent stem cells *in vitro*. Use Cultrex™ or BD Matrigel™ for feeder-free culture conditions.

Product Use

StemGS® is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Storage

Store StemGS® at -20°C; once added to medium, store at 4°C and protect from light. Do not refreeze after thawing.

Shipping

Dry ice.

Instructions for Use

For best results, use StemGS® in conjunction with 500 ml Human Pluripotent Stem Cell Growth Medium-b (STEMium™ -b, Cat #5801-b).

Thaw StemGS® at 37°C. Gently tilt the tube several times to ensure complete mixing. Spray the medium bottle and supplement tube with 70% ethanol and wipe to remove excess liquid. In a sterile field, remove the caps without touching the interior threads with fingers. Add StemGS® to the basal medium and mix well. 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 two weeks.

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.