



**StemGS® Human Pluripotent Stem Cell Growth Supplement-animal component
free 50X
(StemGS-acf)
Catalog #5872**

Product Description

Human Pluripotent Stem Cell Growth Supplement-animal component free is a sterile, concentrated (50X) solution which contains recombinant growth factors, hormones, and proteins necessary for the culture of human pluripotent stem cells. It is made with synthetic, plant-derived components and is free of bovine and other animal-derived components. The supplement is formulated (quantitatively and qualitatively) to provide an optimally balanced growth environment that maximally promotes the growth of human pluripotent stem cells *in vitro*. Use Geltrex™ or BD Matrigel™ for feeder-free culture conditions.

Product Use

StemGS-acf® 50X 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-acf® 50X 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-acf® in conjunction with 500 ml Human Pluripotent Stem Cell Growth Medium-animal component free (STEMium™ -acf, Cat #5821).

Thaw StemGS-acf® 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-acf® 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.