



## StemGS<sup>®</sup> Human Pluripotent Stem Cell Growth Supplement 50X

Catalog Number: 5852

### Product Description

StemGS<sup>®</sup> 50X human pluripotent stem cell growth supplement is a medium supplement designed for the optimal growth of human embryonic stem cells and induced pluripotent stem cells *in vitro*. It is a sterile, concentrated (50X) solution which contains growth factors, hormones, and proteins. The supplement is formulated (quantitatively and qualitatively) to provide an optimally balanced growth environment that maximally promotes the growth of human embryonic stem cells and induced pluripotent stem cells *in vitro*. Use Geltrex<sup>™</sup> or BD Matrigel<sup>™</sup> for feeder-free culture conditions.

StemGS<sup>®</sup> 50X is designed as an additive for STEMium<sup>™</sup> basal medium (Cat. No. 5801) and should be used in conjunction with that medium.

### Product Use

StemGS<sup>®</sup> 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<sup>®</sup> 50X at -20°C. Protect from light.

### Shipping

Dry ice.

### Prepare for use

Thaw StemGS<sup>®</sup> 50X at room temperature. Gently tilt the StemGS<sup>®</sup> 50X tube several times during thawing to help the contents dissolve. Make sure the contents of the StemGS<sup>®</sup> 50X are completely dissolved into solution before adding to the STEMium<sup>™</sup> basal medium. Rinse the bottle and tubes with 70% ethanol, and then wipe to remove excess. Remove the cap, being careful not to touch the interior threads with fingers. Add StemGS<sup>®</sup> 50X solution into basal medium using sterile techniques, mix well and then the reconstituted medium is ready for use. Since several components of StemGS<sup>®</sup> 50X are light-labile, it is recommended that the medium not be exposed to light for extended periods of time. If the medium is warmed prior to use, do not exceed 37°C. When stored in the dark at 4°C, the reconstituted complete STEMium<sup>™</sup> 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.*