



**Trophoblast Growth Supplement
(TGS)**
Catalog #7152

Product Description

Trophoblast Growth Supplement (TGS) is a sterile, concentrated (100X) solution which contains growth factors, hormones, and proteins necessary for the culture of normal trophoblasts. The supplement is formulated (quantitatively and qualitatively) to provide an optimally balanced environment that selectively supports the growth of normal trophoblasts *in vitro*.

Product Use

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

Storage

Store TGS 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 TGS in conjunction with 500 mL Trophoblast Medium-b (TM-b, Cat #7121-b) and 25 mL fetal bovine serum (FBS, Cat #0025).

Thaw TGS 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 TGS 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 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.