



## Macrophage Growth Supplement (MaGS)

Catalog Number: 1972

### Product Description

Macrophage Growth Supplement (MaGS) is a medium supplement designed for the optimal growth of human macrophages *in vitro*. It is a sterile, concentrated (100X) solution which contains growth factors, hormones, and proteins necessary for the culture of normal human macrophages. The supplement is formulated (quantitatively and qualitatively) to provide an optimally balanced growth environment that maximally promotes the growth of human macrophages *in vitro*. The supplement is designed as an additive for macrophage cell medium (MaM, Cat. No. 1921) and should be used in conjunction with that medium.

### Product Use

MaGS 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 MaGS at -20°C before adding to macrophage medium.

### Shipping

Dry ice.

### Prepare for use

Thaw MaGS at 37°C. Gently tilt the MaGS bottle several times during thawing to help the contents dissolve. Make sure the contents of the supplement are completely dissolved into solution before adding to the 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 MaGS and other components (FBS and P/S solution) into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of macrophage medium are light-labile, it is recommended that the medium not be exposed to light for lengthy 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 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.*