

HMGS

Human Melanocyte Growth Supplement

Cat. no. S-002-5

5 ml

Product Description

Human Melanocyte Growth Supplement (HMGS) is a sterile, concentrated (100X) solution intended for use as one component in a complete culture environment for the growth of normal human epidermal melanocytes. HMGS is an ionically- balanced supplement containing bovine pituitary extract (BPE), fetal bovine serum, bovine insulin, bovine transferrin, basic fibroblast growth factor, hydrocortisone, heparin, and phorbol 12-myristate 13-acetate (PMA). Each 5 ml bottle of HMGS is the correct amount of supplement for a 500 ml bottle of basal Medium 254.

Intended Use

HMGS is intended for use in conjunction with basal Medium 254 for the routine culture of normal human epidermal melanocytes. Additional applications may include primary isolation of melanocytes from skin. ***This product is for research use only. Not for use in animals, humans, or diagnostic procedures.***

Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.

Storage and Stability

HMGS is stored at -20°C at our facility and is shipped on dry ice. Upon receipt, the product should be stored at -20°C in a freezer that is not self-defrosting. When stored at -20°C the product is stable until the expiration date shown on the label.

After long-term storage at -20°C , HMGS may contain a small amount of precipitate. This precipitate is formed from cold-insoluble material in the BPE component of the HMGS and will not affect the performance of the product.

Thawing

To thaw, place the product in a 37°C water bath or overnight at 4°C . If thawed in a water bath, do not leave the product at 37°C after the product has thawed. For instructions on adding HMGS to basal Medium 254, refer to the instructions that accompany the basal medium.

Selected References

The HMGS formulation is based on published supplementation of medium MCDB 153 with modifications.

Pittelkow and Shipley, J. Cell. Physiol., 140:565-576,1989.

Limited Use Label License No. 5: Invitrogen Technology

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