



# HMGS-2

## PMA-Free Human Melanocyte Growth Supplement

Catalog Number: S-016-5

5 ml

### Instructions for storage and use

#### Product Description

PMA-Free Human Melanocyte Growth Supplement (HMGS-2) 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-2 is an ionically-balanced supplement containing bovine pituitary extract (BPE), fetal bovine serum, bovine insulin, bovine transferrin, basic fibroblast growth factor, hydrocortisone, heparin, and endothelin-1. Each 5 ml bottle of HMGS-2 is the correct amount of supplement for a 500 ml bottle of basal Medium 254.

#### Intended Use

HMGS-2 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-2 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-2 may contain a small amount of precipitate. This precipitate is formed from cold-insoluble material in the BPE component of the HMGS-2 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-2 to basal Medium 254, please refer to the instructions that accompany the basal medium.

#### Terms and Conditions of Sale

Cascade Biologics, Inc. (hereinafter, CBI) warrants that its products will perform according to the information provided in various publications that it distributes, and as described herein for the intended shelf life of the product when stored under the conditions prescribed by CBI. If any product does not perform according to the published information provided by us, CBI will replace the product free of charge to the original customer. The remedy of product replacement shall be the customers' sole and exclusive remedy for defective product, unless CBI is unable to deliver replacement product, in which case CBI shall reimburse the customer for the purchase price of the defective product. Customer understands that the foregoing limited warranty is in lieu of all other warranties and CBI hereby disclaims all other warranties including, but not limited to, implied warranty of merchantability or fitness for adequacy for any particular purpose or use. CBI shall not be liable to customer or to any party claiming through customer for any incidental or consequential damages, including, but not limited to any lost profits, lost savings, or lost business, whether arising out of contract, tort, or otherwise. Customer acknowledges that products are intended for research use only and are not to be used in animals, humans, or diagnostic procedures.