



## Product Information

### Serum-Free/Low-Serum Medium Kits

- EMK-2, ENDOTHELIAL MEDIUM KIT
- FMK-2, FIBROBLAST MEDIUM KIT

- KMK-2, KERATINOCYTE MEDIUM KIT
- MMK-2, MELANOCYTE MEDIUM KIT

Each of the Medium Kits consists of a basal medium and a supplement to form a complete medium for the growth of the targeted cell type.

#### STORAGE:

The kit should arrive frozen. Store the complete kit at  $-20^{\circ}\text{C}$  prior to use. Do not store in a self-defrosting freezer. Avoid multiple freeze/thaw cycles. Product stored at  $-20^{\circ}\text{C}$  has a shelf-life of one year from date of manufacture.

#### PRODUCT USE:

*To thaw the medium:*

- 1) Thaw the basal medium at  $2-8^{\circ}\text{C}$  overnight or, if rapid thawing is desired, in a water bath at  $37^{\circ}\text{C}$ . Remove the medium from the water bath when a small amount of ice remains in the bottle. Protect the medium from light during the thawing process.
- 2) After thawing, invert the bottle several times to mix thoroughly and dissolve any precipitate.
- 3) Place the bottle in the refrigerator at  $2-8^{\circ}\text{C}$  for 30 minutes.
- 4) Remove from the refrigerator and repeat Step 2. If any precipitate remains, repeat Steps 2, 3, and 4.

**NOTE: The formation and redissolving of the precipitate does not affect product performance.**

*To prepare the complete medium:*

- 5) Thaw the medium supplement.
- 6) Wipe the outside surfaces of the supplement bottle with 70% ethanol.
- 7) Aseptically transfer the entire contents of the supplement bottle to the basal medium. If the entire supplement is not to be used, it should be stored in aliquots at  $-20^{\circ}\text{C}$ .
- 8) Cap the complete medium tightly. Mix thoroughly by repeated inversion.

The complete medium is ready to use. The complete medium can be stored for 30 days at  $2-8^{\circ}\text{C}$  in the dark.

Product Number	Product	Basal Medium	Buffer	Hormone	Other Components	Serum Content	Applications
EMK-2	ENDOTHELIAL CELL MEDIUM KIT	Proprietary formulation	HEPES / Bicarbonate	Hydrocortisone	Human recombinant EGF, human recombinant bFGF, heparin	2% FBS	Primary isolation of human endothelial cells
FMK-2	FIBROBLAST MEDIUM KIT	Based on MCDB-105	HEPES / Bicarbonate	Hydrocortisone	Human recombinant EGF, human recombinant bFGF, heparin	2% FBS	Primary isolation of human fibroblasts
KMK-2	KERATINOCYTE MEDIUM KIT	Based on MCDB-151 with trace elements of MCDB-104	HEPES / Bicarbonate	Hydrocortisone, bovine insulin	Bovine pituitary extract, human recombinant EGF, bovine transferrin	None	Primary isolation of human keratinocytes, human epidermal keratinocytes
MMK-2	MELANOCYTE MEDIUM KIT	Based on MCDB-151 with trace elements of MCDB-104	HEPES / Bicarbonate	Hydrocortisone, bovine insulin	Bovine pituitary extract, human recombinant bFGF, heparin, phorbol myristate acetate, bovine transferrin	0.5% FBS	Primary isolation of human melanocytes

Additional information is contained in the product inserts.