

Melanocyte Media M2

PromoCell

Instruction Manual

Product	Size	Catalog Number
Melanocyte Growth Medium M2 (Ready-to-use)	500 ml	C-24300
Melanocyte Growth Medium M2 (Ready-to-use), phenol red-free	500 ml	C-24305
Melanocyte Basal Medium M2	500 ml	C-24400
Melanocyte Basal Medium M2, phenol red-free	500 ml	C-24405
Melanocyte Growth Medium M2 SupplementMix	for 500 ml	C-39420

Recommended for

- Normal Human Epidermal Melanocytes (NHEM), juvenile foreskin, cultured in M2 Medium
- Normal Human Epidermal Melanocytes (NHEM), adult donor, cultured in M2 Medium

Product Description

PromoCell Melanocyte Growth Medium M2 is a serum-free and PMA (Phorbol Myristate Acetate)-free Medium that was developed for the optimized *in vitro* cultivation of human melanocytes. It is also suitable for human pigment epithelial cells, neuronal cells, and melanoma cells.

The medium is optimized for primary human cells, but can also be used for equine, porcine, murine, and rat melanocytes.

PromoCell Melanocyte Growth Medium M2 is available as Medium (Ready-to-use) which consists of a 500 ml bottle of Basal Medium and one vial of SupplementMix. Adding the SupplementMix to the Basal Medium results in the complete Growth Medium.

Basal Medium (with or without phenol red) and the SupplementMix can also be purchased separately.

Supplementation Details

PromoCell Melanocyte Growth Medium M2 contains all the growth factors and supplements necessary for the optimal growth of human melanocytes. Further, the Medium lacks the tumor promoting mitogen Phorbol Myristate Acetate (PMA), which may interfere with some experimental approaches. PromoCell Melanocyte Growth Medium M2 does not contain antibiotics or antimycotics and is formulated for use in an incubator with an atmosphere of 5% CO₂.

Preparation of the supplemented Medium for Use

Thaw the SupplementMix at 15 to 25°C. Aseptically mix the SupplementMix by carefully pipetting up and down. Then, transfer the entire content of the SupplementMix to the Basal Medium. Close the bottle and swirl gently until a homogenous mixture is formed.

Storage and Stability

Store the Basal Medium at 4 to 8°C in the dark and the SupplementMix at -20°C immediately after arrival. Do not freeze the Basal Medium. If stored properly, the products are stable until the expiry date stated on the label. After adding the SupplementMix to the Basal Medium, the shelf life of the complete medium is 6 weeks at 4 to 8°C. Do not freeze the complete medium.

For use, pre-warm only an aliquot of the complete medium and keep the remaining medium refrigerated at 4 to 8°C.

Quality Control

All lots of PromoCell Melanocyte Growth Medium M2 are subjected to comprehensive quality control tests using primary human melanocytes. Each lot is checked for growth promoting activity, adherence rate, and typical morphology of the tested melanocytes. Approved in-house lots of media are used as a reference.

In addition, all lots of media have been tested for the absence of microbial contaminants (fungi, bacteria, mycoplasma).

Intended Use

The products are for *in vitro* use only and not for diagnostic or therapeutic procedures. For safety precautions please see appropriate MSDS.

Note: Due to their low serum content or the absence of serum, PromoCell media are not suitable for trypsin neutralization (e.g. when splitting the cells). Instead we recommend using our DetachKit (C-41200, C-41210, C-41220), which

contains HEPES BSS, Trypsin/EDTA and Trypsin Neutralizing Solution.

If you require special media modifications, we offer a Custom Media Service starting at 10 bottles per order. Please ask for details.

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