Melanocyte Growth Medium

850211

Melanocyte Growth Medium is a serum-free medium for the culture of human epidermal melanocytes. The complete medium contains L-glutamine, bovine pituitary extract (BPE), human recombinant bFGF, hydrocortisone, human recombinant insulin and PMA. We offer the medium as 500 ml basal medium, on its own or together with the supplements, either as individual components or as a premixed Supplement-Mix. The individual components allow single factors to be adjusted or left out, while the Supplement-Mix is added in a single step. Supplements are required for use, and both supplement formats are also available separately.

PRODUCT DETAILS

Phenol-red free	No
Serum content	Serum-free
Recommended	4,000 cells/cm² (initial seeding up to approx. 90 % confluence)

Storage and stability

Store the basal medium at 2–8 °C, protected from light, and the supplements at −20 °C. Avoid repeated freeze-thaw cycles of the supplements. Once supplemented, the medium can be kept at 2–8 °C, protected from light, for up to one month. Do not freeze the medium.

Specification

pH 7.6, osmolality 285 ± 10 mOsm/kg

Supplement components

L-glutamine: 4 mM
Bovine pituitary extract (BPE): 50 µg/ml
Human recombinant bFGF: 1 ng/ml
Hydrocortisone: 0.5 µg/ml
Human recombinant insulin: 5 µg/ml
PMA (phorbol 12-myristate 13-acetate): 10 ng/ml
Antibiotics (optional): gentamicin 50 µg/ml, amphotericin B 50 ng/ml

Composition table

Supplement volumes for 500 ml of basal medium. The same components are also available premixed in one bottle (Supplement-Mix, Cat. No. 850173, 14 ml).

Component	Volume	Cat. No.
L-glutamine	10 ml	850121
Bovine pituitary extract (BPE)	2 ml	850123
Human recombinant bFGF	0.5 ml	850138
Hydrocortisone	0.5 ml	850129
Human recombinant insulin	0.5 ml	850140
PMA (phorbol 12-myristate 13-acetate)	0.5 ml	850131
Antibiotics (optional)	3.5 ml	850119
Total (without antibiotics)	**14 ml**	

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