Vitiligo Melanocyte Cell Line, Perilesional

Catalogue number: 154107
Sub-type:
Images:

Contributor

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Institute:
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Vitiligo Melanocyte Cell Line, Perilesional

Alternate name:

Class:
Conjugate:
Description: Vitiligo is a long-term skin condition characterised by patches of the skin losing their pigment. The patches of skin affected become white and usually have sharp margins. The exact cause of vitiligo is unknown however it is believed to be due to genetic susceptibility that is triggered by an environmental factor such that an autoimmune disease occurs. This results in the destruction of skin pigment cells. Risk factors include a family history of the condition or other autoimmune diseases, such as hyperthyroidism, alopecia areata, and pernicious anemia. Globally about 1% of people are affected by vitiligo. Primary melanocytes isolated from the peri-lesional skin of a patient with vitiligo can be used as a tool for research in combination with those isolated from the non-lesional skin (Cat No:154106).
Purpose:
Parental cell: Peri-Lesional skin of vitiligo patient
Organism: Human
Tissue:
Model: Primary line
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:

Production details: Autologous skin was taken from patients with vitiligo using a dermatome. Epidermal cell suspension was isolated from the skin sample and seeded in cell culture medium consisting of HAMs F10 supplemented with 10Ä?Â?????g/ml 12-0-tetradecanoylphorbol 13-acetate (PMA), 0.1nM isobutyl-methyl-1-xanthine (IBMX), 1% Ultroser G, 2mM glutamine, 100 IU/ml penicillin and 100Ä?Â?????g/ml streptomycin. Overgrowth of fibroblasts and keratinocytes was prevented by addition of geneticine 1/100 (G418).
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen
Concentration:
Passage number:
Growth medium: HAMs F10 supplemented with 10 ????g/ml 12-0-tetradecanoylphorbol 13-acetate (PMA), 0.1nM isobutyl-methyl-1-xanthine (IBMX), 1% Ultroser G, 2mM glutamine, 100 IU/ml penicillin and 100????g/ml streptomycin. Overgrowth of fibroblasts and keratinocytes was prevented by addition of geneticine 1/100 (G418)
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions:

Dry ice

Related tools

Related tools:

References

References: Wankowicz-Kalinska et al. 2003. Lab Invest. 83(5):683-95. PMID: 12746478.