Melanociti umani, adulti

300694

INFORMAZIONI GENERALI

Descrizione

Human Melanocytes, adult are primary pigment-producing melanocytes isolated from adult human skin (epidermis). They are used to study melanogenesis, pigmentation disorders, UV/photobiology, and melanoma biology.

Tessuto	Skin (epidermis)
Malattia	Normal

Applicazioni

Melanogenesis and pigmentation research; UV/photobiology; melanoma-related studies

CLASSIFICAZIONE

Organismo	Umano
Proprietà di crescita	Aderente
Livello di biosicurezza	1

CARATTERISTICHE

Morfologia	Dendritic / bipolar
Tipo di cellula	Melanocyte
Tempo di raddoppio	Approximately 48-72 hours

IDENTIFICATORI

Riferimento bibliografico

Human Melanocytes, adult (Cytion catalog number 300694)

Codice fiscale NCBI	9606

MANIPOLAZIONE E COLTURA

Terreno di coltura

Melanocyte Growth Medium

Atmosfera di incubazione	37°C, 5% CO_2, humidified atmosphere.

Integratori

Melanocyte growth supplements (e.g., bovine pituitary extract, growth factors); serum as per medium

Reagente di dissociazione	Trypsin-EDTA or Accutase

Subcoltura

At 70-80% confluence, wash with PBS, detach with Trypsin-EDTA or Accutase, neutralize, centrifuge at 300xg for 3 min, and reseed into fresh medium.

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
info@cytion.com
cytion.com

Registered office Heidelberg
VAT ID: DE283292917
Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

Rapporto di frazionamento	1:2 to 1:3
Densità di semina	2.5-5 x 10^3 cells/cm2
Rinnovo dei fluidi	Every 2-3 days

Scongelamento e coltura

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 200 x g for 5 minutes, carefully discard the supernatant containing freezing medium.
Follow the procedure described under Post-Thaw Recovery

CONTROLLO DI QUALITÀ E CRIOCONSERVAZIONE

Terreno di coltura congelato	As a cryopreservation medium, we use complete growth medium + 10% DMSO for adequate post-thaw viability.

Condizioni di conservazione

For long-term preservation, place vials in vapor-phase liquid nitrogen at about −150 to −196 °C. Storage at −80 °C is acceptable only as a short interim step before transfer to liquid nitrogen.

Condizioni di spedizione

Cryopreserved cell lines are shipped on dry ice in validated, insulated packaging with sufficient refrigerant to maintain approximately −78 °C throughout transit. On receipt, inspect the container immediately and transfer vials without delay to appropriate storage.

ASPETTI LEGALI E DI SICUREZZA

Misure di sicurezza

When planning to store a cryovial in liquid nitrogen for future thawing, it is mandatory to adhere to stringent safety measures. Appropriate protective gloves and clothing are essential, and the use of a face mask or safety goggles is required during the transfer of frozen samples to or from the liquid nitrogen tank. This is to mitigate the risk of injury from potential cryovial explosions upon removal, which can result in the projection of sharp fragments.

Garanzia

At Cytion, we stand behind the quality and viability of our products.
We guarantee that our cells will be viable at the start of culture for
60 days after shipment from our facilities.
We assure that all materials conform to the specifications described in the
Certificate of Analysis and/or Product Sheet.
For full details, please refer to our
Warranty Statement.

È richiesto un accordo di trasferimento di materiale	Yes

DETTAGLI SUL PRODOTTO

Tabella delle composizioni