

Product sheet

hCMEC/D3 | 305024

General Information

Description hCMEC/D3 is a cell line derived from human choroid plexus epithelial cells. It is a highly proliferative, immortalized cell line that maintains the morphology and growth characteristics of the primary cells. The cells are typically grown in DMEM/F12 medium supplemented with 5% fetal bovine serum (FBS) and 10 ng/ml dexamethasone. hCMEC/D3 cells are used for studying the biology of choroid plexus epithelial cells and for the production of monoclonal antibodies against choroid plexus-specific antigens.

Organism Human

Tissue Choroid plexus epithelium, Choroid plexus

Synonyms HCMEC/D3, CMEC/D3, hCMEC/D3, hCMEC/D3 (ATCC CRL-2739), hCMEC/D3 (DSMZ ACC-103)

Characteristics

Age 1-2 months

Gender Male

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

References

Citation hCMEC/D3 (ATCC CRL-2739) Cytion 305024

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_U985

GMO Status GMO-S1: hCMEC/D3 (hCMEC/D3) SV40 T-Antigen

Additional Information

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Viruses hCMEC/D3 (SV40)

Cell Line

Culture Medium EGM -2 MV (Lonza, CC-3202)

Supplements EBM-2 (Lonza)

Freeze medium CM-1 (Cytion 800100), 50% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Dilute cells into pre-warmed culture medium.
3. Seed cells into a T25 flask.
4. Allow cells to recover for 24-48 hours.
5. Monitor cell growth and confluency.
6. Harvest cells when 70-80% confluent.
7. Perform passage or freezing.
8. Store cells in liquid nitrogen.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating

Flask coating information

Freezing Procedure Freezing protocol

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Shipping Conditions

Store at -78°C

Storage Conditions

Store at -150 to 196 °C

HLA

Sterility

PCR
Sterility