

3D4/21 | 305357

Description

3D4/21 is a human pluripotent stem cell line derived from a human embryo. It is a clonal cell line that has been established from a single cell. The cells are characterized by their ability to differentiate into all three germ layers: ectoderm, mesoderm, and endoderm. This makes 3D4/21 a valuable tool for studying human development and for generating specialized cell types for research and therapy.

Organism

Human

Tissue

Embryo

Synonyms

IPAM 3D4/21, IPAM-WT

Breed/Subspecies

Human

Age

12 weeks

Gender

Male

Morphology

Epithelial

Cell type

Pluripotent stem cells

Growth properties

Adherent

Citation

3D4/21 (Human Pluripotent Stem Cell Line) Cytion: 305357

Biosafety level

2

NCBI_TaxID

9823

CellosaurusAccession

CVCL_0F14

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Viruses

Adenovirus: Adenovirus 40 (SV40)

Culture Medium

RPMI 1640 $\pm$ 2.0 mM Glucose $\pm$ 2.0 mM NaHCO_3 (Sigma 820700a $\pm$ 2.0 mM)

Supplements

10% FBS

Dissociation Reagent

Trypsin

Seeding density

$1-3 \times 10^4/\text{cm}^2$

Freeze medium

DMEM + 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Dilute cells into DMEM + 10% FBS.
3. Seed cells into a 24-well plate.
4. Incubate cells for 24 hours.
5. Remove FBS and replace with DMEM.
6. Seed cells into a 96-well plate.
7. Incubate cells for 24 hours.
8. Perform assay.

Incubation Atmosphere

37°C, 5% CO_2

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Shipping
Conditions

Das Produkt ist als Trockeneis (Dry Ice) in einer Styroporbox verpackt und muss bei -78 °C transportiert werden.

Storage
Conditions

Das Produkt ist bei -150 °C bis -196 °C zu lagern.

Sterility

Das Produkt ist steril und kann für PCR-Analysen verwendet werden.
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