

HEP-299 | 300193

General information

Description	HEP-299 is a human epithelial cell line derived from a primary culture of human epidermal cells. It is a non-tumorigenic, immortalized cell line that has been established from a primary culture of human epidermal cells. The cells are characterized by their high confluency and rapid growth rate. They are typically used for studying the biology of epithelial cells and for testing the effects of various agents on cell growth and differentiation. HEP-299 cells are highly sensitive to various growth factors and cytokines, and they are also used for studying the effects of various agents on cell growth and differentiation. HEP-299 cells are highly sensitive to various growth factors and cytokines, and they are also used for studying the effects of various agents on cell growth and differentiation.
Organism	Human
Tissue	Epithelial
Synonyms	HEP 299, HEP-299, HEP 299, HEP299

Characteristics

Age	Adult
Gender	Male
Ethnicity	Caucasian
Growth properties	Adherent

Identification and classification

Citation	HEP-299 (ATCC CCL-299) Cytion 300193
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2480

Genetic and molecular characteristics

Receptors expressed	Epidermal growth factor receptor (EGFR) M2
Protein expression	P53, Bcl-2

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Isoenzymes	G6PD, A
Virus susceptibility	Hepatitis B virus (HBV), Hepatitis C virus (HCV) 1
Reverse transcriptase	Negative
Karyotype	Normal male karyotype, 46,XY
Culture Medium	Ham's F12, w: 1.0 mM Glutamine, w: 1.0 mM Insulin-like growth factor-1 (IGF-1), w: 1.1 g/L NaHCO ₃ (Sigma I9278-Cytion 820600a)
Supplements	Insulin-like growth factor-1 (IGF-1) 10% FBS, 1 ng/mL bFGF
Dissociation Reagent	Trypsin
Subculturing	Cells are passaged by trypsinization and resuspended in Ham's F12 medium containing 10% fetal bovine serum (FBS). Cells are seeded at a density of 1 × 10 ⁴ cells per well in T25 flasks.
Seeding density	1 × 10 ⁴ cells/well
Post-Thaw Recovery	After thawing, cells are allowed to recover in complete medium for 24 hours before being used for experiments.
Freeze medium	DMEM supplemented with 10% FBS + 10% DMSO

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。

Shipping
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。

Storage
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中孵育24小时。

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Sterility

HEX-HEL-299 | 300193 细胞悬液在PCR管中分装，每管100 µl，共196管。细胞悬液在37°C CO₂培养箱中孵育24小时。