

HEP-2 cells (ATCC CRL-2332) - HEK293T cells - HEK293 cells | 300648

HEP-2 cells

Description	HEP-2 cells are a highly confluent, adherent cell line (hMSCs) derived from a human epidermal carcinoma. They are characterized by their high growth rate and ability to form large, flat, polygonal cells. HEP-2 cells are commonly used in research for studying viral replication, gene expression, and cell signaling. They are also used in the production of viral vaccines and as a model system for studying the effects of various drugs and toxins on cells.
Organism	Human
Tissue	Epithelial tissue - Skin
Applications	Cell culture, gene expression, viral replication, drug screening

HEK293T cells

Age	Adult
Gender	Male
Ethnicity	European
Morphology	Epithelial cells, highly confluent, forming a monolayer. Cells are typically 5-10 µm in diameter and have a high degree of confluency. They are characterized by their high growth rate and ability to form large, flat, polygonal cells.
Cell type	Epithelial
Growth properties	High growth rate

HEK293 cells

Citation	HEK293 cells (ATCC CRL-1573) - HEK293 cells (ATCC CRL-1573) (ATCC CRL-1573 Cytion 300648)
Biosafety level	1
NCBI_TaxID	9606

HEK293 cells - HEK293 cells

HEK 293T cells, 100,000,000 cells - 100,000,000 cells - 100,000,000 cells | 300648

Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C, and transfer them to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes at 4°C, and resuspend them in a pre-warmed medium.
3. Seed the cells into a 37°C incubator.
4. After 24 hours, the cells should be at 70% confluency.
5. The cells should be at 15 x 10⁶ cells per 8 x 10⁶ cells.
6. The cells should be at 300 x g for 3 minutes at 4°C, and resuspend them in a pre-warmed medium.
7. The cells should be at 10 x 10⁶ cells per 10 x 10⁶ cells.
8. The cells should be at 10 x 10⁶ cells per 10 x 10⁶ cells.

Incubation Atmosphere

37°C, 5% CO₂, humidified air

Flask Coating

Coated with poly-D-lysine, and then with laminin.

Freezing Procedure

Freeze the cells in a freezing medium at -78°C.

Shipping Conditions

Ship the cells in a freezing medium at -78°C.

Storage Conditions

Store the cells in a freezing medium at -150°C for 196 days.

HEK 293T cells / HEK 293T cells / HLA

Sterility

The cells are tested for sterility by PCR and are found to be negative. The cells are also tested for mycoplasma and are found to be negative.