

Product sheet

HEK293 | 300192

HEK293-1

| | |
|----------------------|-------------------------------------------|
| Receptors expressed | |
| Protein expression | CEA, p53 |
| Tumorigenic | |
| Virus susceptibility | Adenovirus DNA, Herpesvirus DNA, SV40 DNA |
| Ploidy status | 30% HEK293, 64% HEK293, 4.2% HEK293 |

HEK293

| | |
|----------------------|-------------------------------------------------------------------------------------------------|
| Culture Medium | EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO ₃ , w: EBSS (Cytion 820100a) |
| Supplements | 10% FBS, 1% NEAA |
| Dissociation Reagent | |
| Doubling time | 30 |
| Subculturing | 1:3-5 in PBS, 1:3-5 in PBS, 1:3-5 in PBS |
| Seeding density | 1 x 10 ⁴ cells/cm ² |
| Fluid renewal | |
| Post-Thaw Recovery | 24 |
| Freeze medium | (FBS) + 10% DMSO |

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Thawing and Culturing Cells

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a 150 cm² flask containing 150 ml of pre-warmed medium.
3. Incubate the cells in a humidified CO₂ incubator at 37°C.
4. Monitor cell growth and confluency. Harvest cells at 70-80% confluency.
5. Seed cells into a 15 cm² flask containing 8 ml of pre-warmed medium.
6. Harvest cells at 300 x g for 3 minutes. Resuspend cells in 1 ml of medium.
7. Seed cells into a 10 cm² flask containing 10 ml of pre-warmed medium.
8. Harvest cells at 300 x g for 3 minutes. Resuspend cells in 1 ml of medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Adherent cells, non-adherent cells

Freezing Procedure Harvest cells at 300 x g for 3 minutes. Resuspend cells in 1 ml of medium. Freeze cells in a cryovial at -78°C.

Shipping Conditions Store cells at -78°C.

Storage Conditions Store cells at -150°C for 196 days.

HEK293 / HEK293T / HLA

Sterility HEK293 cells are not PCR negative. HEK293T cells are PCR negative. HLA cells are PCR negative.

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HLA

A*: 03:01:01

B*: 07:02:01

C*: 07:02:01

DRB1*: 15:01:01

DQA1*: 01:02:01

DQB1*: 06:02:01

DPB1*: 04:01:01

E: 01:03:02