

HEK293T MHH-ES1 | 300136

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HEK293T

Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing HEK293T cells are cultured in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in RPMI 1640 medium supplemented with 10% FBS. Cells are seeded into T25 flasks at a density of 1 x 10⁶ cells per flask.

Seeding density 1 x 10⁶ cells per flask

Fluid renewal 3-5 days

Post-Thaw Recovery After thawing, cells are seeded into T25 flasks at a density of 1 x 10⁶ cells per flask. Cells are cultured in RPMI 1640 medium supplemented with 10% FBS for 24 hours before use.

Freeze medium RPMI 1640 medium supplemented with 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not allow the vial to touch the bottom of the water bath. Remove the vial from the water bath and centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 ml of fresh medium. Seed the cells into a 150 cm² flask.
2. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
3. Pass the cells into a new flask when they reach 70-80% confluency.
4. Seed the cells into a 150 cm² flask at a density of 1.5 x 10⁶ cells per flask.
5. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
6. Pass the cells into a new flask when they reach 70-80% confluency.
7. Seed the cells into a 150 cm² flask at a density of 1.5 x 10⁶ cells per flask.
8. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Seed cells into a 150 cm² flask at a density of 1.5 x 10⁶ cells per flask. Incubate at 37°C in 5% CO₂ until they reach 70-80% confluency.

Shipping Conditions Store at -150°C for up to 196 days. Ship on dry ice.

Storage Conditions Store at -150°C for up to 196 days. Ship on dry ice.

Cell Culture Media MHH-ES1 / Cell Culture Media MHH-ES1 / HLA

Sterility Cell culture medium is sterile and free of mycoplasmas. PCR screening is available upon request.

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A*: '01:01:01, '68:01:01

B*: '40:01:02, '49:01:01

C*: '01:02:01, '07:01:01

DRB1*: 07:01:01, 11:01:01

DQA1*: '02:01:01, '05:05:01

DQB1*: '03:01:01, '03:03:02G

DPB1*: '10:01:01, '13:01:01

E: '01:01:01, '01:03:01