

HEK293T H4 | 300184

Isoenzymes G6PD, B, PGM1, 1-2, PGM3, 1, ES-D, 1, Me-2, 0, AK-1, 1, GLO-1, 2.

Tumorigenic

Karyotype 46, XY, 45 = 80. 46, XY, 45 = 80. 46, XY, 45 = 80.

HEK293T

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM β-mercaptoethanol (Cytion 82030a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Seed cells into fresh medium. Wash cells with PBS. Add 1 ml trypsin to each well. Incubate for 5-10 min. Add 3 ml PBS to stop the reaction. Pipette up the cells and centrifuge at 300 x g for 5 min. Resuspend the pellet in 1 ml PBS.

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery Seed cells into fresh medium. Wash cells with PBS. Add 1 ml trypsin to each well. Incubate for 5-10 min. Add 3 ml PBS to stop the reaction. Pipette up the cells and centrifuge at 300 x g for 5 min. Resuspend the pellet in 1 ml PBS.

Freeze medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM β-mercaptoethanol (Cytion 82030a) + 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a well of a 96-well plate at a density of 100,000 cells per well. Incubate at 37°C with 5% CO₂ for 24 hours.
3. After 24 hours, the cells should be visible. Add fresh medium to each well.
4. After 48 hours, the cells should be confluent. Harvest the cells for PCR analysis.
5. Harvest the cells by adding 150 µl of lysis buffer to each well. Mix thoroughly.
6. Spin the plate at 300 x g for 3 minutes. Transfer the supernatant to a clean tube.
7. Add 10 µl of RNAse inhibitor to each sample. Store at -150°C.
8. Store the samples at -150°C until use.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 100 µg/ml

Freezing Procedure Harvest cells, resuspend in freezing medium, store at -78°C

Shipping Conditions Store at -78°C

Storage Conditions Store at -150°C for 196 weeks

HEK293T H4 / HEK293T H4 / HLA

Sterility Sterile, PCR compatible

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A*: '03:01:01, '30:02:01

B*: 08:01:01, 18:01:01

C*: 05:01:01, 07:01:01

DRB1*: 03:01:01

DQA1*: 05:01:01

DQB1*: 02:01:01

DPB1*: '01:01:01, '04:01:01

E: 01:03:02