

HEP-2 MIA PaCa-2 | 300438

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Isoenzymes G6PD, B

Tumorigenic HEp-2 cells are tumorigenic in nude mice. HEp-2 cells are tumorigenic in nude mice.

Mutational profile HEp-2 cells harbor a KRAS p.Gly12Cys (c.34G>T) mutation and a CDKN2A deletion.

Karyotype 46,XX,t(12;21)(p11;q22)

HEP-2

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 sodium pyruvate (all from Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 25-40 hours

Subculturing HEp-2 cells are cultured in DMEM supplemented with 10% FBS. HEp-2 cells are cultured in DMEM supplemented with 10% FBS. HEp-2 cells are cultured in DMEM supplemented with 10% FBS.

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery HEp-2 cells are cultured in DMEM supplemented with 10% FBS. HEp-2 cells are cultured in DMEM supplemented with 10% FBS. HEp-2 cells are cultured in DMEM supplemented with 10% FBS.

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO

Cell MIA PaCa-2 | 300438

Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not shake the vial. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of pre-warmed medium.
3. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
5. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
6. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
7. Harvest the cells by trypsinization. Seed the cells into a T25 flask containing 37 ml of pre-warmed medium.
8. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Seed cells into a cryovial containing 1 ml of freezing medium. Freeze at -80°C.

Shipping Conditions Store at -80°C.

Storage Conditions Store at -150°C for up to 196 months.

Cell Line / Organism / HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.

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██████ HLA

- A*: '01.01.1900 00:02
- B*: 14:02:01
- C*: 08:02:01
- DRB1*: 01:02:01
- DQA1*: 01:01:02
- DQB1*: 05:01:01
- DPB1*: 02:01:02
- E: 01:01:01