

HEP2-DLD-1 | 300220

Tumorigenic	Mouse fibroblast
Viruses	Adenovirus 12, Adenovirus 5
Products	HEP2-DLD-1-CEA (CEA) 0.5 ng/10 exp6 HEP2/10 HEP2, HEP2-DLD-1-CEA
Karyotype	2n = 46
HEP2-DLD-1	
Culture Medium	RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (HEP2-DLD-1 Cytion 820700a)
Supplements	HEP2-DLD-1 10% FBS
Dissociation Reagent	HEP2-DLD-1
Doubling time	15 HEP2-DLD-1
Subculturing	HEP2-DLD-1 cells are cultured in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in PBS. Cells are seeded into T25 flasks, 3-5 x 10 ⁶ cells per flask. After 24 hours, cells are trypsinized and resuspended in RPMI 1640 medium supplemented with 10% FBS. Cells are seeded into T25 flasks, 3-5 x 10 ⁶ cells per flask.
Seeding density	1 x 10 ⁶ - 4 x 10 ⁶ cells/flask
Fluid renewal	2 - 3 HEP2-DLD-1
Freeze medium	HEP2-DLD-1 cells are cultured in RPMI 1640 medium supplemented with 10% FBS. For freezing, cells are trypsinized and resuspended in RPMI 1640 medium supplemented with 10% FBS + 10% DMSO. Cells are seeded into T25 flasks, 3-5 x 10 ⁶ cells per flask.

DL-DLD-1 | 300220

Thawing and Culturing Cells

1. **Thawing:** Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in 15 ml of fresh medium.
3. **Resuspension:** Resuspend the cells in 15 ml of fresh medium. The cell concentration should be approximately 1.5 x 10⁶ cells/ml.
4. **Seeding:** Seed the cells into a 75 cm² flask containing 150 ml of fresh medium. The final cell concentration should be approximately 1 x 10⁶ cells/ml.
5. **Incubation:** Incubate the cells in a humidified incubator at 37°C with 5% CO₂. The cells should reach confluence within 24-48 hours.
6. **Passaging:** Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
7. **Media Change:** Change the medium every 2-3 days to ensure optimal growth conditions.
8. **Quality Control:** Regularly check the cell morphology and growth rate to ensure the quality of the cell line.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating No coating

Freezing Procedure Freeze the cells in a freezing medium and store at -80°C.

Shipping Conditions Ship the cells at -80°C.

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

HLA

Sterility

The cells are free of mycoplasmas and other contaminants. PCR testing confirmed the absence of mycoplasmas.

The cells are free of endotoxins and other contaminants. Endotoxin testing confirmed the absence of endotoxins.