

HEp-2 Hela 229 | 305056

HEP-2

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements Cytion 10% FBS, 1% NEAA 1.0 mM Cytion

Dissociation Reagent Cytion

Doubling time 26 hours

Subculturing HEp-2 cells are cultured in MEM (Eagle's Minimum Essential Medium) supplemented with 2 mM L-glutamine, 2.2 g/L sodium bicarbonate, and 10% fetal bovine serum (FBS) in T25 or 75 cm² flasks. Cells are passaged every 2-3 days when they reach 70-80% confluency.

Fluid renewal 2-3 times per week

Freeze medium Cytion (10% FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw the vial in a 37°C water bath and transfer the cells to a 15 mL centrifuge tube.
2. Centrifuge the cells at 300 x g for 3 minutes and resuspend the pellet in 10 mL of pre-warmed MEM supplemented with 10% FBS.
3. Seed the cells into a T25 flask and incubate at 37°C in 5% CO₂.
4. Once cells reach 70-80% confluency, passage them into a new T25 flask.
5. For long-term storage, seed cells into a 15 mL tube and resuspend in 1 mL of freezing medium.
6. Freeze the cells in a controlled rate freezer or dry ice and store at -80°C.
7. Thaw the cells in a 37°C water bath and transfer to a 15 mL tube.
8. Centrifuge and resuspend in 10 mL of pre-warmed MEM with 10% FBS, then seed into a T25 flask.

Incubation Atmosphere 37°C, 5% CO₂

