

XXXX XXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX - XXXXX XXXXX | 300645

XXXXXX XXXXXX

Description

[illegible]Organism ☐☐☐Tissue XXXX XXXX

Applications

XXXXXXXXXXXX

Age

Gender ☐ Male ☐ Female ☐ Other

Ethnicity ☐ ☐ ☐ ☐ ☐ ☐

Morphology □□□□□□□□ □□□□ □□□□□□, □□□□ □□□□□□□□, □□□□□□ □□□□ □□□□ □□□□ 5 □□□□□□ □□□□ □-2% □□□□□ □□□□□ □□□□□□□□ □□

Cell type

Growth properties ☐☐☐

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Biosafety level	1
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NCBI_TaxID 9606

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Product sheet

HEP-2 cells - Cytion | 300645

Antigen expression

CD73/CD90/CD105 (positive), CD14/CD34/CD45/HLA-DR (negative), HBV, HCV, HSV1, HSV2, CMV, EBV, HHV-8

Viruses

HBV (PCR), Treponema pallidum (PCR), HIV-1/2 (IFA). HBV, HCV, HSV1, HSV2, CMV, EBV, HHV-8, Treponema pallidum, Chlamydia trachomatis, Ureaplasma urealyticum, Ureaplasma parvum.

Culture Medium

DMEM, w: 2.0 mM Glucose, w/o: FBS, w/o: Penicillin, w/o: Streptomycin, w: 1.0 mM Sodium Butyrate, w: 2.2g/l

Supplements

10% FBS, 2 ng/mL bFGF

Dissociation Reagent

EDTA

Subculturing

Cells are grown in DMEM supplemented with 10% FBS and 2 ng/mL bFGF. Cells are passaged by trypsinization into PBS and seeded into new flasks. Cells are grown in DMEM supplemented with 10% FBS and 2 ng/mL bFGF.

Seeding density

1 x 10⁵ cells/cm²

Fluid renewal

Media is changed every 24 hours, cells are passaged every 2-3 days.

Freeze medium

Cells are grown in DMEM supplemented with 10% FBS and 2 ng/mL bFGF. Cells are passaged by trypsinization into PBS and seeded into new flasks. Cells are grown in DMEM supplemented with 10% FBS and 2 ng/mL bFGF.

HEP-2 cells, 100,000 cells per vial - 300645 | 300645

Thawing and Culturing Cells

1. Thaw cells quickly in a water bath at 37°C. 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 medium.
3. Seed the cells into a T25 flask containing 37 ml of medium.
4. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
5. After 24 hours, the cells should be at 70% confluency.
6. Pass the cells into a T75 flask when they reach 80% confluency.
7. Harvest the cells when they reach 90% confluency.
8. Store the cells at -80°C for long-term storage.

Incubation Atmosphere

37°C, 5% CO₂, humidified air

Flask Coating

Cells adhere well to uncoated flasks.

Freezing Procedure

Freeze cells in 1 ml of freezing medium in a cryovial. Store at -80°C.

Shipping Conditions

Ship cells at -80°C in dry ice.

Storage Conditions

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

HEP-2 cells / HLA

Sterility

Cells are free of mycoplasmas and PCR detectable. Cells are free of endotoxins.