

Product sheet

**HEP-74.3A | 400208**

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**Description** HEP-74.3 is a cell line derived from a human liver carcinoma, established in 1974. It is a continuous cell line that grows in suspension culture. The cells are characterized by their high tumorigenicity and their ability to form colonies in soft agar. HEP-74.3 cells are highly sensitive to the chemotherapeutic agent cisplatin. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). HEP-74.3 cells are highly tumorigenic and form colonies in soft agar. The cell line is highly sensitive to cisplatin. HEP-74.3 cells are highly tumorigenic and form colonies in soft agar. The cell line is highly sensitive to cisplatin.

**Organism** Human

**Tissue** Liver

**Disease** Hepatocellular carcinoma

**Synonyms** Hep-74.3, HEP-74.3a, 74.3A, 74.3a

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**Breed/Subspecies** C57BL/6J

**Age** 1-2 weeks

**Gender** Male

**Morphology** Adherent

**Growth properties** High

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**Citation** Hep-74.3A (HEP-74.3A) Cytion 400208

**Biosafety level** 1

**NCBI\_TaxID** 10090

**CellosaurusAccession** CVCL\_5773

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<b>Protein expression</b>	8, 18, 18
<b>Tumorigenic</b>	, C3H/HE
<b>Mutational profile</b>	P53 wt

<b>Culture Medium</b>	Ham's F12, w: 1.0 mM , w: 1.0 mM , w: 1.1 g/L NaHCO <sub>3</sub> ( Cytion 820600a)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	
<b>Subculturing</b>	3 . , 24 .
<b>Seeding density</b>	$1 \times 10^4$ /
<b>Fluid renewal</b>	3 5
<b>Post-Thaw Recovery</b>	1 , 24
<b>Freeze medium</b>	(FBS) + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes. Resuspend in 150 µl of medium. Seed into a 96-well plate (15 µl/well) or a 24-well plate (1.5 ml/well).
3. Incubate at 37°C in 5% CO<sub>2</sub>. Monitor cell growth and confluency.
4. Harvest cells when 70-80% confluent.
5. Harvest cells by trypsinization (15 min, 37°C) and centrifugation (300 x g, 3 min).
6. Resuspend cells in 100 µl of medium. Seed into a 96-well plate (10 µl/well) or a 24-well plate (1 ml/well).
7. Incubate at 37°C in 5% CO<sub>2</sub>. Monitor cell growth and confluency.
8. Harvest cells by trypsinization and centrifugation.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Cell culture medium, 100 µg/ml

**Freezing Procedure** Harvest cells by trypsinization and centrifugation. Resuspend in freezing medium. Freeze at -80°C.

**Shipping Conditions** Store at -80°C. Ship on dry ice.

**Storage Conditions** Store at -150°C for 196 days.

### HEP-74.3A / HEP-74.3B / HLA

**Sterility** Sterility tested by PCR. No contamination detected.