

Product sheet

HCC1569 | 305784

General Information

<b>Description</b>	HCC1569 is a cell line derived from a patient with Hepatocellular Carcinoma (HCC). It is a continuous cell line that grows in culture. HCC1569 is characterized by its ability to form colonies in soft agar and its tumorigenicity in nude mice. HCC1569 is a member of the HepG2 cell line family. HCC1569 is a cell line derived from a patient with Hepatocellular Carcinoma (HCC). It is a continuous cell line that grows in culture. HCC1569 is characterized by its ability to form colonies in soft agar and its tumorigenicity in nude mice. HCC1569 is a member of the HepG2 cell line family.
<b>Organism</b>	Human
<b>Tissue</b>	Liver
<b>Disease</b>	Hepatocellular Carcinoma (HCC)
<b>Synonyms</b>	HCC-1569, HepG2-1569

Cell Line Characteristics

<b>Age</b>	70 years
<b>Gender</b>	Male
<b>Ethnicity</b>	Chinese
<b>Morphology</b>	Epithelial
<b>Cell type</b>	Primary
<b>Growth properties</b>	Adherent, Serum dependent

References and Safety

<b>Citation</b>	HCC1569 (HepG2-1569) Cytion 305784
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_1255

HCC1569 | 305784

Cell Line Information

**Protein expression** [redacted], [redacted], [redacted], [redacted]

**Antigen expression** [redacted] 2 (EGP2); [redacted] 19

**Oncogenes** Her2/neu+; p53-

**Mutational profile** [redacted] BRCA2, [redacted] p.Asn1100Thr (c.3299A>C), [redacted] BRCA2, [redacted] p.Val1862fs\*1 (c.5578delA), [redacted] FHIT, [redacted] (651G>T), dbSNP=rs139666727, [redacted], [redacted]= [redacted] [redacted], PTEN, [redacted] p.Lys267Argfs\*9 (c.800delA) (p.Leu265fs, c.7 p.Glu294Ter (c.880G>T), [redacted]

**Karyotype** [redacted]

Culture Conditions

**Culture Medium** RPMI 1640, w: 2.0 mM [redacted] [redacted], w: 2.0 g/L NaHCO3 ([redacted] [redacted] [redacted] Cytion 820700a)

**Supplements** [redacted] [redacted] 10% FBS

**Dissociation Reagent** [redacted]

**Doubling time** 45 [redacted]

**Fluid renewal** 2 x 3 [redacted] [redacted]

**Freeze medium** [redacted] [redacted] [redacted], [redacted] [redacted] [redacted] [redacted] [redacted] ([redacted] FBS) + 10% DMSO [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] [redacted], [redacted]

**Cell Line** HCC1569 | 305784

### Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of complete medium. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 5 ml of complete medium. Seed the cells into a new T25 flask containing 10 ml of complete medium.
2. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70-80% confluency.
3. Perform a trypsin digest to passage the cells. Add 1 ml of trypsin to the flask and incubate for 2-3 minutes. Add 10 ml of complete medium to stop the reaction. Aspirate the medium and resuspend the cells in 10 ml of complete medium. Seed into a new T25 flask.
4. Repeat the process for subsequent passages.
5. For long-term storage, harvest cells into a 15 ml falcon tube with 8 ml of complete medium. Add 2 ml of freezing medium and centrifuge at 300 x g for 3 minutes. Resuspend the pellet in 1 ml of freezing medium.
6. Aliquot into 10 µl vials and store at -80°C.
7. Thaw the vial in a 37°C water bath and seed into a T25 flask.
8. Follow the standard culturing protocol.

### Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

### Flask Coating

None

### Freezing Procedure

Resuspend cells in freezing medium and store at -80°C.

### Shipping Conditions

Store at -80°C during shipping.

### Storage Conditions

Store at -150°C for 196 weeks.

Cell Line / Cell Line / HLA

### Sterility

PCR confirmed negative for mycoplasma and other contaminants. Sterility tested by PCR.