

HepG2 | 300198

General information

Description	HepG2, a human liver cancer cell line, is derived from a 45-year-old male patient with hepatocellular carcinoma. It is a continuous cell line that can be grown in primary culture and is widely used in research. HepG2 cells are characterized by their ability to produce and secrete various liver-specific proteins, including albumin, alpha-fetoprotein, and aspartate aminotransferase. They are also known for their high transfection efficiency and are commonly used in gene expression studies. HepG2 cells are sensitive to various hepatotoxic agents and are used to study the mechanisms of liver damage and drug-induced liver injury. HepG2 cells are also used in the study of viral hepatitis and the development of antiviral drugs. HepG2 cells are a valuable tool for studying liver cancer and liver disease.
Organism	Human
Tissue	Liver
Disease	Hepatocellular carcinoma
Applications	HepG2 cells are used in a variety of applications, including drug screening, toxicology studies, and gene expression analysis. They are also used in the study of liver cancer and liver disease. HepG2 cells are a valuable tool for studying liver cancer and liver disease.
Synonyms	HEP-G2, Hep G2, HEP G2, Hep-G2, HEPG2

Cell characteristics

Age	15 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial cells
Growth properties	Adherent

References and safety

Citation	HepG2 (ATCC CCL-2297) Cytion 300198
Biosafety level	1
NCBI_TaxID	9606

CellosaurusAccession CVCL_0027

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**Thawing and
Culturing Cells**

1. 将冻存管中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。
2. 将培养瓶中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。
3. 将培养瓶中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。
4. 将培养瓶中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。
5. 将培养瓶中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。
6. 将培养瓶中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。
7. 将培养瓶中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。
8. 将培养瓶中的细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。

**Shipping
Conditions**

将细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。

**Storage
Conditions**

将细胞悬液转移到含有 10 ml 完全培养基的 25 cm² 培养瓶中，轻轻混匀，然后将培养瓶放入 37°C 培养箱中孵育 24 小时。

细胞特性

Sterility

细胞悬液在 37°C 培养箱中孵育 24 小时后，通过 PCR 检测无支原体污染。细胞悬液在 37°C 培养箱中孵育 24 小时后，通过 PCR 检测无支原体污染。

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HLA

A*: '02:01:01, '24:02:01
B*: '35:14:01, '51:08:01
C*: 04:01:01, 16:02:01
DRB1*: 13:02:01, 16:02:01
DQA1*: '01:02:01, '05:05:01
DQB1*: 03:01, 06:04
DPB1*: '02:01:02, '04:02:01
E: 01:01:01