

# Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

## HC-04

RRID:CVCL\_Z631

Type: Cell Line

### Proper Citation

RRID:CVCL\_Z631

### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_Z631](https://web.expasy.org/cellosaurus/CVCL_Z631)

**Proper Citation:** RRID:CVCL\_Z631

**Description:** Cell line HC-04 is a Cancer cell line with a species of origin Homo sapiens (Human)

**Sex:** Male

**Disease:** Hepatoblastoma

**Defining Citation:** [PMID:16687667](#), [PMID:17590308](#), [PMID:22990793](#), [PMID:24532842](#), [PMID:29370800](#), [PMID:30891005](#)

**Comments:** Population: Caucasian., Problematic cell line: Possibly contaminated. Indicated (PubMed=24532842) to have a near genetic identity with Hep-G2 cells. But they are functionally different from Hep-G2 cells since they support sporozoite invasion and liver stage exoerythrocytic development of Plasmodium falciparum and Plasmodium vivax. But STR profile from BEI Resources is identical to that of Hep-G2. Originally thought to originate from the spontaneous immortalization of a normal liver tissue of an hepatoma patient., Group: Patented cell line., Group: Malaria research cell line.

**Category:** Cancer cell line

**Organism:** Homo sapiens (Human)

**Name:** HC-04

**Synonyms:** HC04, HCO4

**Cross References:** ArrayExpress:E-MTAB-6919, BEI\_Resources:MRA-975, cancercellines:CVCL\_Z631, PRIDE:PXD008613, Wikidata:Q54881462

**ID:** CVCL\_Z631

**Hierarchy:** cvcl\_0027

**Record Creation Time:** 20220427T220316+0000

**Record Last Update:** 20260829T233625+0000

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## Ratings and Alerts

No rating or validation information has been found for HC-04.

**Warning:** Problematic cell line: Possibly contaminated. Indicated (PubMed=24532842) to have a near genetic identity with Hep-G2 cells. But they are functionally different from Hep-G2 cells since they support sporozoite invasion and liver stage exoerythrocytic development of Plasmodium falciparum and Plasmodium vivax. But STR profile from BEI Resources is identical to that of Hep-G2.

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Registration: International Depository Authority, American Type Culture Collection (ATCC); PTA-3441.

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Discontinued: ATCC; PTA-3441

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## Data and Source Information

**Source:** [Cellosaurus](#)

## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Patitucci C, et al. (2023) Mtfp1 ablation enhances mitochondrial respiration and protects against hepatic steatosis. Nature communications, 14(1), 8474.