

## HepG2.2.2.15 | 305227

**Description** HepG2.2.2.15 is a human liver carcinoma cell line derived from HepG2 cells. It is characterized by its ability to produce and secrete various proteins, including albumin, apolipoprotein B, and transferrin. The cell line is widely used in research related to liver cancer, drug metabolism, and protein production. It is maintained in DMEM/F12 medium supplemented with insulin, transferrin, selenium, and hydrocortisone.

**Organism** Human

**Tissue** Liver

**Disease** Hepatocellular carcinoma

**Synonyms** Hep-G2/2.2.2.15, Hep-G2/2215, Hep-G2/2215, HepG2/2.2.15, HepG2/2.2.15, HepG2/2.2.15, HepG2(2.2.15), 2.2.15

**Age** 15 days

**Gender** Male

**Ethnicity** Caucasian

**Growth properties** Adherent

**Citation** HepG2.2.2.15 (ATCC CRL-2215) | ATCC 305227

**Biosafety level** 2

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_L855

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**Culture Medium** DMEM F12K 2.0 2.0 2.5 NaHCO<sub>3</sub> (8)

**Supplements** 10% FBS

**Dissociation Reagent**

**Subculturing** PBS

**Seeding density** 5 × 10<sup>4</sup>

**Freeze medium** (FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
  2. Centrifuge cells at 300 × g for 3 minutes.
  3. Wash cells with PBS.
  4. Resuspend cells in DMEM F12K with 10% FBS.
  5. Seed cells into a flask at a density of 5 × 10<sup>4</sup> cells per flask.
  6. Incubate cells at 37°C in a humidified atmosphere of 5% CO<sub>2</sub>.
  7. Monitor cell growth and passage cells when they reach 70-80% confluency.
  8. Pass cells into a new flask.

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

**Flask Coating**

**Freezing Procedure** -78°C

