

HepG2 Cell Line Producing Hepatitis B Virus, Genotype B2

Catalog No. NR-56529

This reagent is the tangible property of the U.S. Government.

Product Description:

HepG2 cell line producing hepatitis B virus (HBV), genotype B2 (HepG2-GtB2) is a stable cell line designed by transfecting plasmids with an insert of replicon-competent 1.3x length HBV, genotype B2 genome and a hygromycin marker into HepG2 cells capable of HBV replication. NR-56529 produces virions capable of infecting HBV-sensitive cells.

Lot: 70056616

Manufacturing Date: 22DEC2022

BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: Contact@BEIResources.org. We try to respond to feedback within 24 hours.

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Sequencing of HBV Specific Coding Regions (~ 900 nucleotides)	≥ 98% identity with HBV genotype B2 (GenBank: MT111595.1)	100% identity with HBV genotype B2 (GenBank: MT111595.1)
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	Human origin No evidence of another species	Human origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells per vial	3.50 × 10 ⁶ cells per vial
Post-Freeze Viability	≥ 50%	84.1%
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ¹ Trypticase Soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

¹Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Sonia Bjorum Brower/

Sonia Bjorum Brower

Technical Manager, ATCC Federal Solutions

14 APR 2023

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

