

Plasmid pAAV-HBV1.2 (D), Containing Hepatitis B Virus 1.2X Genome (Genotype D), Replication-Competent

Catalog No. NR-56554

Product Description:

NR-56554 is a hepatitis B virus (HBV)–recombinant adenovirus-associated virus (rAAV) construct for initiating HBV replication *in vivo*. It contains 1.2X full-length HBV (D) genome cloned from an HBV patient. The deposited plasmid was vialied in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0).

Lot: 70067260

Date of Receipt¹: 27SEP2022

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of S gene of HBV insert (~ 940 base pairs)	Consistent with HBV genotype D	Consistent with HBV genotype D ²
Antibiotic Resistance Ampicillin (encoded by <i>bla</i> gene)	<i>bla</i> sequence present	<i>bla</i> sequence present
Concentration by Qubit Fluorometer[®]	Report results	1.3 µg in 100 µL/vial (12.6 µg/mL)
Amount per Vial	Report results	1.3 µg/vial
Effective Bacterial Transformation Invitrogen™ One Shot™ TOP10 <i>Escherichia coli</i>	≥ 50 colonies/ng	133 colonies/ng

¹Date of dispense: 23APR2024.

²Due to the multiple terminal repeats present in the HBV genome and the adenovirus vector, complete sequence assembly could not be generated. Historically, HBV genotypes have been assigned using alignments of the S gene. Therefore, the insert was aligned with the S gene for confirmation of genotype.

/Sonia Bjorum Brower/

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26 AUG 2025

Technical Manager or designee, ATCC Federal Solutions

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