



Certificate of Analysis for HRP-20101

Simian Immunodeficiency Virus Infectious Molecular Clone, pSIVagmVer90 (5387-TF)

Catalog No. HRP-20101

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

Product Description:

HRP-20101 is a full-length, infectious molecular clone of the simian immunodeficiency virus (SIV), SIVagmVer90-5387 transmitted/founder (T/F). SIVagmVer90-5387 T/F was generated by using the Env clone from peripheral blood mononuclear cells (PBMC) isolated from the vervet species of an African green monkey (AGM), AG5387, after intrarectally inoculated with SIVagmVer90 and is available through NIH HIV Reagent Program (HRP-20133). The plasmid encodes full-length, replication-competent virus in a pUC19 vector backbone. The ampicillin resistance gene, *bla*, provides transformant selection through ampicillin resistance in *Escherichia coli* (*E. coli*). The pSIVagmVer90 (5387-TF) insert is approximately 12,520 base pairs and the resulting size of the plasmid is approximately 14,000 base pairs. The purified plasmid DNA was provided vialled in TE buffer (10 mM Tris-HCl, 1 mM EDTA).

Lot: 70051547

Receipt Date: 30SEP2021

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	~ 12,500 base pairs	12,520 base pairs ¹
Genotypic Analysis Sequencing of pSIVagmVer90 (5387-TF) (~ 12,520 base pairs)	≥ 99% sequence identity to depositor's sequence	99.9% sequence identity to depositor's sequence
Concentration by Qubit® Measurement	≥ 2 µg/mL	0.23 µg in 100 µL per vial (2.3 µg/mL)
Amount per Vial	Report results	2.3 µg per vial
OD ₂₆₀ /OD ₂₈₀ Ratio (pre vial)	1.7 to 2.1	1.9
Effective Bacterial Transformation Invitrogen™ MAX Efficiency™ Stbl2™ <i>E. coli</i>	Report results	388 colonies/ng

¹The sequence was assembled pre-vial using the depositor's predicted sequence as the reference sequence. The plasmid sequence is provided on the NIH HIV Reagent Program webpage.

/Ken Crawford/
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27 JUL 2023

ATCC®, on behalf of the NIH HIV Reagent Program, hereby represents and warrants that the material provided under this certificate has been subjected, by ATCC® and the contributor, 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.

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NIH HIV Reagent Program

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