



## Certificate of Analysis for HRP-20099

### Simian Immunodeficiency Virus Infectious Molecular Clone pSIVsm804E-CL757 Gag-S37 S98 P146

#### Catalog No. HRP-20099

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

#### Product Description:

**Note:** The label on the vial is incorrect; the correct plasmid description is pSIVsm804E-CL757 Gag-S37 S98 P146.

HRP-20099 is a full-length, neurovirulent, chimeric, infectious molecular clone of the simian immunodeficiency virus (SIV), SIVsm804E-CL757 Gag-S37 S98 P146, which is available through NIH HIV Reagent Program (HRP-20126). 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 pSIVsm804E-CL757 Gag-S37 S98 P146 insert is approximately 11,160 base pairs and the resulting size of the plasmid is approximately 13,000 base pairs. The purified plasmid DNA is provided in TE buffer (10 mM Tris-HCl, 1 mM EDTA).

**Lot: 70051543**

**Receipt Date: 30SEP2021**

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	~ 11,160 base pairs	11,165 base pairs <sup>1</sup>
<b>Genotypic Analysis</b> Sequencing of pSIVsm804E-CL757 Gag-S37 S98 P146 insert (~ 11,160 base pairs)	≥ 99% sequence identity to depositor's sequence	100% sequence identity to depositor's sequence
<b>Concentration by Qubit® Measurement</b>	≥ 2 µg/mL	1.20 µg in 100 µL per vial (12 µg/mL)
<b>Amount per Vial</b>	Report results	1.20 µg per vial
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio (pre vial)</b>	1.7 to 2.1	1.9
<b>Effective Bacterial Transformation</b> Invitrogen™ MAX Efficiency™ Stbl2™ <i>E. coli</i>	Report results	159 colonies/ng

<sup>1</sup>The depositor's predicted 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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