



# Certificate of Analysis for HRP-20093

## Simian Immunodeficiency Virus Infectious Molecular Clone, pSIVsmE660-FL6

### Catalog No. HRP-20093

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

### Product Description:

HRP-20093 is a full-length infectious molecular clone of the simian immunodeficiency virus (SIV), SIVsmE660-FL6, which is available through NIH HIV Reagent Program (HRP-20118). 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 pSIVsmE660-FL6 insert is approximately 10,300 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: 70053001**

**Receipt Date: 30SEP2021**

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	~ 10,300 base pairs	10,290 base pairs <sup>1</sup>
Genotypic Analysis Sequencing of pSIVsmE660-FL6 insert (~ 10,300 base pairs)	≥ 99% sequence identity to depositor's sequence	100% sequence identity to depositor's sequence
Concentration by Qubit <sup>®</sup> Measurement	≥ 2 µg/mL	0.460 µg in 100 µL per vial (4.6 µg/mL)
Amount per Vial	Report results	0.460 µg per vial
OD <sub>260</sub> /OD <sub>280</sub> Ratio (pre vial)	1.7 to 2.1	1.9
Effective Bacterial Transformation Invitrogen <sup>™</sup> MAX Efficiency <sup>™</sup> Stbl2 <sup>™</sup> <i>E. coli</i>	Report results	< 10 colonies/ng <sup>2</sup>

<sup>1</sup>The sequence was assembled pre-vial using the depositor's predicted sequence ([JQ864085.1](#)) as the reference sequence. The insert sequence is provided on the NIH HIV Reagent Program webpage.

<sup>2</sup>Some plasmids and molecular clones have shown very low bacterial transformation, however, we have not seen a loss of functionality with this material.

/Ken Crawford/

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19 JUL 2023

ATCC<sup>®</sup>, on behalf of the NIH HIV Reagent Program, hereby represents and warrants that the material provided under this certificate has been subjected, by ATCC<sup>®</sup> 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<sup>®</sup>'s knowledge.

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



### NIH HIV Reagent Program

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