



# Certificate of Analysis for HRP-20100

## Simian Immunodeficiency Virus Infectious Molecular Clone pSIVagmVer9063-2

### Catalog No. HRP-20100

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

### Product Description:

HRP-20100 is a full-length, infectious molecular clone of the simian immunodeficiency virus (SIV), SIVagmVer9063-2. SIVagmVer9063-2 is isolated from a pig-tailed macaque (PT63) that developed AIDS after inoculation with a virus isolate derived from naturally infected vervet species of African green monkey (AGM90) and is available through NIH HIV Reagent Program (HRP-20132). 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 pSIVagmVer9063-2 insert is approximately 9810 base pairs and the resulting size of the plasmid is approximately 12,000 base pairs. The purified plasmid DNA was provided vialed in TE buffer (10 mM Tris-HCl, 1 mM EDTA).

Lot: 70051545

Receipt Date: 30SEP2021

| TEST  | SPECIFICATIONS                                     | RESULTS  |
|---|--|--|
| Next-Generation DNA Sequencing  | ~ 9810 base pairs                                  | 9816 base pairs <sup>1</sup>                       |
| Genotypic Analysis<br>Sequencing of pSIVagmVer9063-2 insert<br>(~ 9810 base pairs)  | ≥ 99% sequence identity to<br>depositor's sequence | 99.9% sequence identity to<br>depositor's sequence |
| Concentration by Qubit <sup>®</sup> Measurement   | ≥ 2 µg/mL  | 1.02 µg in 100 µL per vial<br>(10 µg/mL)           |
| Amount per Vial   | Report results                                     | 1.02 µg per vial                                   |
| OD <sub>260</sub> /OD <sub>280</sub> Ratio (pre vial)   | 1.7 to 2.1   | 1.9  |
| Effective Bacterial Transformation<br>Invitrogen <sup>™</sup> MAX Efficiency <sup>™</sup> Stbl2 <sup>™</sup> <i>E. coli</i> | ≥ 50 colonies/ng                                   | 419 colonies/ng                                    |

<sup>1</sup>The sequence was assembled pre-vial using the depositor's predicted sequence ([L40990.1](#)) as the reference sequence. The insert sequence is provided on the NIH HIV Reagent Program webpage.

/Ken Crawford/  
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07 JUL 2023

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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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### NIH HIV Reagent Program

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