

Simian Immunodeficiency Virus Infectious Molecular Clone, pSIVhoesti

Catalog No. HRP-20102

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

Product Description:

HRP-20102 is a full-length, infectious molecular clone of the simian immunodeficiency virus (SIV), SIVhoest an isolate from L'Hoest Monkey (*Cercopithecus l'hoesti*). The beta-lactamase gene, *bla*, provides transformant selection through ampicillin resistance in *Escherichia coli* (*E. coli*). The pSIVhoesti insert is approximately 9960 base pairs and the resulting size of the plasmid is approximately 12,650 base pairs. The purified plasmid DNA was provided vialed in TE buffer (10 mM Tris-HCl, 1 mM EDTA).

Lot: 70051549

Manufacturing Date: 03NOV2022

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	~ 9960	9899 base pairs ¹
Genotypic Analysis Sequencing of pSIVhoesti insert (~ 9900 base pairs)	≥ 99% sequence identity to depositor's sequence	99.8% sequence identity to depositor's sequence
Antibiotic Resistance Ampicillin (encoded by beta-lactamase gene <i>bla</i>)	<i>bla</i> sequence present	<i>bla</i> sequence present
Concentration by Qubit Fluorometer®	≥ 2 µg/mL	1.1 µg in 100 µL per vial (11 µg/mL)
Amount per Vial	Report results	1.1 µg/vial
OD ₂₆₀ /OD ₂₈₀ Ratio (pre-vial)	1.7 to 2.1	1.8
Effective Bacterial Transformation Invitrogen™ MAX Efficiency™ Stbl2™ <i>E. coli</i>	Report results	138 colonies/ng

¹The sequence was assembled pre-vial using the depositor's predicted sequence as the reference sequence. The insert sequence is provided on the BEI Resources webpage.

/Kenneth R. Crawford/

Kenneth R. Crawford

15 JAN 2025

Lead Technical Writer or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, 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.

ATCC® is a trademark of the American Type Culture Collection.

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


HIV REAGENT
PROGRAM
