

Human Immunodeficiency Virus Type 1 (HIV-1) Infectious Molecular Clone, 175059/pGEM-5Zf (+)

Catalog No. HRP-20377

Product Description:

HRP-20377 is a full-length transmitted/founder (T/F) human immunodeficiency virus type 1 (HIV-1) subtype A1 infectious molecular clone. The plasmid encodes full-length, replication-competent virus in a pGEM-5Zf(+) vector backbone. The deposited plasmid was vialied in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0).

Lot: 70081429

Date of Receipt: 22MAY2025

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of the insert (~ 9090 base pairs)	≥ 99% sequence identity to HIV-1 isolate 175059_4_TF from Rwanda (GenBank: MT942820.1)	100% sequence identity to HIV-1 isolate 175059_4_TF from Rwanda (GenBank: MT942820.1)
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®	Report results	0.8 µg in 50 µL/vial (16 µg/mL)
Amount per Vial	Report results	0.8 µg/vial
Effective Bacterial Transformation Invitrogen™ One Shot™ Stbl3™ <i>E. coli</i>	≥ 50 colonies/ng	200 colonies/ng

/Kenneth R. Crawford/

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30 JULY 2026

Lead Technical Writer or designee, ATCC Federal Solutions

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