

Plasmid pINT, for Transfection in *Plasmodium falciparum*

Catalog No. MRA-847

Product Description:

MRA-847 is a *Plasmodium falciparum* (*P. falciparum*) plasmid that expresses integrase (INT) from mycobacteriophage Bxb1 to catalyze site-specific integration of cotransfected *attP* plasmids (e.g. pLN-ENR-GFP, available as BEI Resources MRA-846) into *attB*⁺ parasites (MRA-843 and MRA-845). MRA-847 lot 70054927 was extracted from a preparation of BEI Resources seed lot 7607846, produced in TOP10 *Escherichia coli* (Invitrogen™) and extracted using a QIAmp® DNA Blood Mini Kit (QIAGEN® 51106).

Lot: 70054927

Manufacturing Date: 28OCT2022

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	~ 8010 base pairs	7995 base pairs
Genotypic Analysis ~ 7930 base pairs	≥ 99% sequence identity to depositor's sequence	99.2% sequence identity to depositor's sequence
Concentration by PicoGreen® Measurement	≥ 2 µg/mL	0.5 µg in 50 µL/vial (10 µg/mL)
Amount per Vial	Report results	0.5 µg/vial
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 2.1	1.9

/Sonia Bjorum Brower/
Sonia Bjorum Brower

Technical Manager or designee, ATCC Federal Solutions

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