

Plasmid pL0004, for Transfection in *Plasmodium berghei*

Catalog No. MRA-773

Product Description:

MRA-773 is a *Plasmodium berghei* (*P. berghei*) transformation plasmid, pDEFSSUToxo (RV), used for insertion (single crossover) with the *Toxoplasma gondii* dihydrofolate reductase-thymidylate synthase (*tgdhfr/ts*) selectable marker. The targeted integration locus is *c-* and *d-ssu-rrna*. Lot 70005306 was produced from a preparation of MR-MRA-788 lot 4734024, extracted using a QIAprep® Spin Miniprep Kit (QIAGEN® 27104) and vialled in 10 mM Tris-HCl, pH 8.5.

Lot: 70005306

Manufacturing Date: 18DEC2018

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing ¹ MRA-773	~ 7600 base pairs	7596 base pairs (Figures 1 and 2)
Genotypic Analysis Sequencing of 18S ribosomal RNA gene (~ 2020 base pairs)	≥ 99% sequence identity to <i>P. berghei</i> 18S rRNA gene (GenBank: AJ243513.1)	99.6% sequence identity to <i>P. berghei</i> 18S rRNA gene (GenBank: AJ243513.1)
Concentration by PicoGreen® Measurement	Report results	0.2 µg in 10 µL per vial (20 µg/mL)
Amount	Report results	~ 200 ng per vial
OD ₂₆₀ /OD ₂₈₀ Ratio ²	1.7 to 2.1	1.9

¹Illumina® MiSeq® sequence was analyzed with CLC Genomics Workbench and assembled using the depositor's predicted sequence as the reference sequence.

²Testing completed on material prior to vialing and freezing.

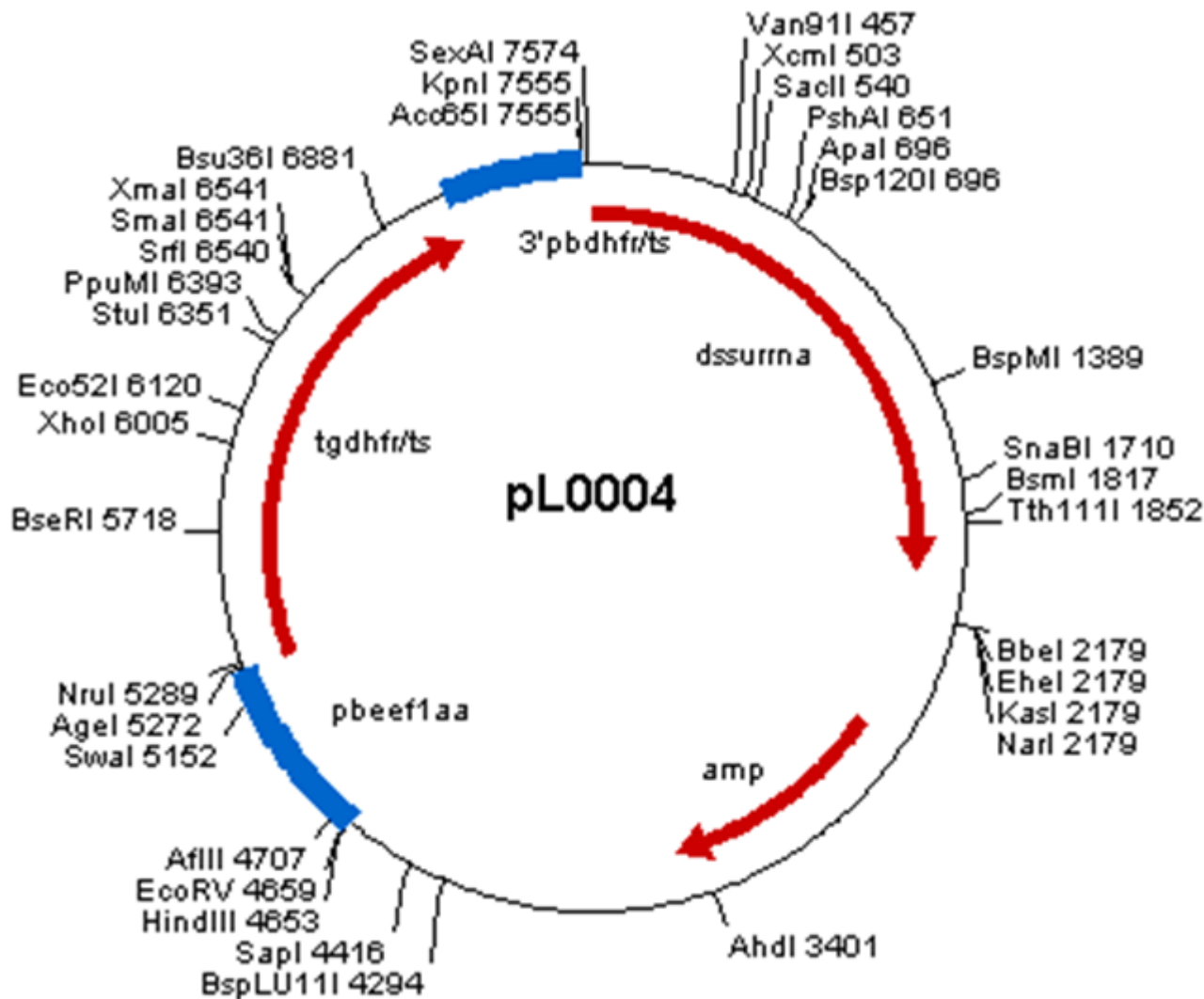
Figure 1: Complete Plasmid Sequence of MRA-773

>MRA-773 lot 70005306 complete plasmid sequence

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Figure 2: Plasmid Map of MRA-773



/Heather Couch/
Heather Couch

Program Manager or designee, ATCC Federal Solutions

14 AUG 2020

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