

Plasmid pL0028, for Transfection in *Plasmodium berghei*

Catalog No. MRA-797

Product Description:

MRA-797 is a *Plasmodium berghei* transformation plasmid, pAmalGFPM3LuclAVssu, used for insertion (single crossover) with the *Toxoplasma gondii* dihydrofolate reductase-thymidylate synthase (*tgdhfr/ts*) selectable marker. Plasmid pL0028 contains a *pbamal*-promoter-driven *gfp mutant3-luclAV* expression cassette. The targeted integration locus is *c-* and *d-ssu-rna*. Lot 70002446 was produced from a preparation of MR-MRA-797 lot 4731896, extracted using a QIAprep® Spin Miniprep Kit (QIAGEN® 27104) and vialied in EB buffer (10 mM Tris-HCl, pH 8.5).

Lot: 70002446

Manufacturing Date: 04NOV2019

| TEST | SPECIFICATIONS | RESULTS |
|---|----------------|-------------------------------------|
| Next-Generation DNA Sequencing ¹ MRA-797 (~ 13240 base pairs); Figure 1 | Report results | Aligns to depositor's sequence |
| Concentration by PicoGreen® Measurement ² | Report results | 0.2 µg in 10 µL per vial (10 µg/mL) |
| Amount | Report results | ~ 200 ng per vial |
| OD ₂₆₀ /OD ₂₈₀ Ratio | 1.7 to 2.1 | 1.8 |

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-797

>MRA-797 lot 70002446 complete plasmid sequence

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