

**Plasmid pL0005, for Transfection in *Plasmodium berghei***

**Catalog No. MRA-774**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

MRA-774 is a *Plasmodium berghei* (*P. berghei*) transformation plasmid, pDEFhDHFR, used for insertion/replacement (single & double crossover) with the human dihydrofolate reductase (*dhfr*) selectable marker.<sup>1</sup> pL0005 was deposited with no insert and designed for integration into the genome of *P. berghei* parasites. The resulting size of the plasmid is approximately 4270 base pairs. The complete plasmid sequence and map are provided on the BEI Resources webpage. The plasmid was produced in *Escherichia coli* and extracted.

**Material Provided:**

Each vial contains plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0). The DNA concentration and volume provided are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

MRA-774 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Plasmid pL0005, for Transfection in *Plasmodium berghei*, MRA-774, contributed by Andrew P. Waters.”

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

**Disclaimers:**

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**References:**

1. Waters, A. P., Personal Communication.

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