

Product Information Sheet for MRA-285G

Genomic DNA from *Plasmodium falciparum*, Strain D6

Catalog No. MRA-285G

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was obtained from a preparation of *Plasmodium falciparum* (*P. falciparum*), strain D6.

P. falciparum, strain D6 was collected in Sierra Leone and is generally considered drug sensitive with minor mefloquine resistance.¹ The whole genome shotgun sequence of *P. falciparum*, strain D6 is available (GenBank: [ABGY000000000](https://www.ncbi.nlm.nih.gov/nuccore/ABGY000000000)).

MRA-285G has been qualified for PCR applications by amplification of approximately 600-900 base pairs of the merozoite surface protein 2 (MSP2) gene.

Material Provided:

Each vial of MRA-285G contains approximately 500 ng of genomic DNA in TE buffer (10 mM Tris-HCl and 0.5 mM EDTA, pH 9). The vial should be centrifuged prior to opening.

Packaging/Storage:

MRA-285G was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen 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: Genomic DNA from *Plasmodium falciparum*, Strain D6, MRA-285G, contributed by Dennis E. Kyle."

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Riley, M. C., et al. "Rapid Whole Genome Optical Mapping of *Plasmodium falciparum*." *Malar. J.* 10 (2011): 252. PubMed: 21871093.

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