

Product Information Sheet for MRA-157G

Genomic DNA from *Plasmodium falciparum*, Strain W2

Catalog No. MRA-157G

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Plasmodium falciparum* (*P. falciparum*), strain W2.

P. falciparum, strain W2 was cloned from the Indochina III/CDC isolate originally derived from a Laotian patient who failed chloroquine therapy.^{1,2}

MRA-157G 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-157G contains approximately 0.5 µg of genomic DNA in buffer. The amount per vial, concentration and buffer composition are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

MRA-157G 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 W2, MRA-157G, 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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

Disclaimers:

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References:

1. Campbell, C. C., et al. "*Plasmodium falciparum* Gametocytes from Culture *In Vitro* Develop to Sporozoites that Are Infectious to Primates." *Science* 217 (1982): 1048-1050. PubMed: 7051285.
2. Ranford-Cartwright, L. C., K. L. Hayton and M. T. Ferdig. "Chapter 6 – *Plasmodium* Experimental Genetic Crosses." In *Malaria Parasites: Comparative Genomics, Evolution, and Molecular Biology*. (2013) Eds. J. M. Carlton, S. L. Perkins and K. W. Deitsch, Horizon Scientific Press: New York, pp. 127-144.

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