

Genomic DNA from *Plasmodium falciparum*, Strain W2

Catalog No. MRA-157G

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 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 contains approximately 500 ng of genomic DNA in TE buffer (concentration: 10 ng/μL). 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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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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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