

Genomic DNA from *Plasmodium falciparum* Strain Dd2

Catalog No. MRA-156G

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Contributor:

Thomas E. Wellems, M.D., Ph.D., Chief, Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Maryland, USA

Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Plasmodium falciparum* (*P. falciparum*), strain Dd2.

P. falciparum, strain Dd2 is a clone derived from W2-MEF, which was selected from clone W2-MCII after 6 months of continuous cultivation in the presence of mefloquine.¹ W2-MCII was derived from clone W2'82 after 12 months of continuous cultivation in the presence of mefloquine, which was itself derived from Indochina III/CDC.¹ The whole genome sequence of *P. falciparum*, strain Dd2 is available (GenBank: [AASM000000000](https://www.ncbi.nlm.nih.gov/nuccore/AASM000000000)).

MRA-156G has been qualified for PCR applications by amplification of approximately 900 base pairs of the merozoite surface protein 2 (MSP2) gene.

Material Provided:

Each vial 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-156G 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. For long-term storage, the product should be stored at -80°C. 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 Dd2, MRA-156G, contributed by Thomas E. Wellems."

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:

- Guinet, J., et al. "A Developmental Defect in *Plasmodium falciparum* Male Gametogenesis." *J. Cell Biol.* 135 (1996): 269-278. PubMed: 8858179.

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