

# Product Information Sheet for MRA-149G

## Genomic DNA from *Plasmodium falciparum*, Strain HB3-B2

**Catalog No. MRA-149G**

**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 HB3-B2.

*P. falciparum*, strain HB3-B2 was derived from clone HB3 after it was transmitted through mosquitoes into a chimpanzee at the National Institutes of Health (NIH); it was deposited as a chloroquine-sensitive, pyrimethamine-resistant strain.<sup>1</sup> Clone HB3 was derived from isolate H1 from Honduras by W. Trager by microscopic selection.<sup>2</sup> The whole genome shotgun sequence of *P. falciparum*, strain HB3 is available (GenBank: [AANS000000000](https://www.ncbi.nlm.nih.gov/nuccore/AANS000000000)).

MRA-149G 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-149G 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-149G 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 HB3-B2, MRA-149G, contributed by David Walliker."

### 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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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### References:

1. Walliker, D., Personal Communication.
2. Walliker, D. et al. "Genetic Analysis of the Human Malaria Parasite *Plasmodium falciparum*." *Science* 236 (1987): 1661-1666. PubMed: 3299700.

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