

Product Information Sheet for MRA-1169G

Genomic DNA from *Plasmodium falciparum*, Strain Tanzania (2000708)

Catalog No. MRA-1169G

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 Tanzania (2000708).

P. falciparum, strain Tanzania (2000708) was isolated in September 2006 from the blood of 3-year-old patient with mild malaria in Morogoro, Tanzania, and adapted to culture at SBRI.^{1,2} The whole genome shotgun sequence of *P. falciparum*, strain Tanzania (2000708) is available (GenBank: [AOPR000000000](https://www.ncbi.nlm.nih.gov/nuccore/AOPR000000000)).

MRA-1169G 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-1169G contains 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-1169G 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 Tanzania (2000708), MRA-1169G, contributed by Michal Fried."

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](https://www.cdc.gov/biosafety/publications/bmbl5/index.htm). 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. Fried, M., Personal Communication.
2. Pattaradilokrat, S., et al. "Genetic Diversity of the Merozoite Surface Protein-3 Gene in *Plasmodium falciparum* Populations in Thailand." *Malaria J.* 15 (2016): 517. PubMed: 27769257.

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