

**Genomic DNA from *Plasmodium falciparum*, Strain 7G8**

**Catalog No. MRA-152G**

**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 7G8.

*P. falciparum*, strain 7G8 was cloned from the IMTM22 strain by limiting dilution. The original IMTM22 strain was isolated from a 12-year-old male near Manaus, Brazil in 1980.<sup>1</sup> *P. falciparum*, strain 7G8 is a gametocyte producer, and was deposited as chloroquine-sensitive and pyrimethamine-resistant.<sup>1,2</sup> The whole genome sequence of *P. falciparum*, strain 7G8 is available (GenBank: [ABGZ000000000](https://www.ncbi.nlm.nih.gov/nuccore/ABGZ000000000)).

MRA-152G 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-152G 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-152G 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 7G8, MRA-152G, 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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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**References:**

- Burkot, T. R., J. L. Williams and I. Schneider. "Infectivity to Mosquitoes of *Plasmodium falciparum* Clones Grown *In Vitro* from the Same Isolate." Trans. R. Soc. Trop. Med. Hyg. 78 (1984): 339-341. PubMed: 6380022.
- Walliker, D., Personal Communication.
- Chugh, M., et al. "Identification and Deconvolution of Cross-Resistance Signals from Antimalarial Compounds Using Multidrug-Resistant *Plasmodium falciparum* Strains." Antimicrob. Agents Chemother. 59 (2015): 1110-1118. PubMed: 25487796.

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