

Genomic DNA from *Plasmodium falciparum*, Strain 3D7A

Catalog No. MRA-151G

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Plasmodium falciparum* (*P. falciparum*), strain 3D7A.

P. falciparum, strain 3D7A is a subclone of the 3D7 strain.^{1,2} *P. falciparum*, strain 3D7A is used as a standard for the *P. falciparum* genome sequencing project and as a parent clone of 3D7/HB3 cross.² The complete genome of *P. falciparum*, strain 3D7 has been sequenced (BioProject: [PRJNA13173](https://www.ncbi.nlm.nih.gov/bioproject/PRJNA13173)).³

MRA-151G 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 of MRA-151G 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-151G 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 3D7A, MRA-151G, 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.

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References:

1. Walliker, D., et al. "Genetic Analysis of the Human Malaria Parasite *Plasmodium falciparum*." *Science* 236 (1987): 1661-1666. PubMed: 3299700.
2. Walliker, D., Personal Communication.
3. Gardner, M. J., et al. "Genome Sequence of the Human Malaria Parasite *Plasmodium falciparum*." *Nature* 419 (2002): 498-511. PubMed: 12368864.

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