

# Product Information Sheet for MRA-200G

## Genomic DNA from *Plasmodium falciparum*, Strain RO-33

**Catalog No. MRA-200G**

**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 RO-33.

*P. falciparum*, strain RO-33 was isolated in 1987, cultured from a blood sample of a Swiss tourist who had visited Ghana (West Africa) and developed malaria symptoms nine days after his return.<sup>1</sup>

MRA-200G 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-200G contains approximately 0.5 µg 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-200G 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 RO-33, MRA-200G, 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. Certa, U., et al. "A Naturally Occurring Gene Encoding the Major Surface Antigen Precursor p190 of *Plasmodium falciparum* Lacks Tripeptide Repeats." *EMBO J.* 6 (1987): 4137-4142. PubMed: 3327688.

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