

Genomic DNA from *Plasmodium falciparum*, Strain FC27/PNG

Catalog No. MRA-914G

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 FC27/PNG (Papua New Guinea).

P. falciparum, strain FC27/PNG was originally collected from a 4-year-old child with clinical malaria. Venous blood was collected aseptically into bottles containing heparin in Madang Hospital, Madang Province, Papua New Guinea.¹

MRA-914G 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-914G 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-914G 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 FC27/PNG, MRA-914G, contributed by Tobili Y. Sam-Yellowe."

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. Chen, P., et al. "*Plasmodium falciparum* Strains from Papua New Guinea: Culture Characteristics and Drug Sensitivity." [Southeast Asian J. Trop. Med. Public Health](#) 11 (1980): 435-440. PubMed: 7013092.

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