

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 extracted 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 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 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-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:

- 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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