# Product Information Sheet for MRA-321G

## Genomic DNA from *Plasmodium falciparum*, Strain FCR3CSA

## Catalog No. MRA-321G

## 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 FCR3CSA.

*P. falciparum*, strain FCR3CSA is recognized as a chondroitin sulphate A (CSA)-adherent parasite, characterized by the sequestration in infected erythrocytes in the placental intervillous space via adherence to CSA.[1] The parent FCR3 isolate originated in Gambia, West Africa.[1,2]

MRA-321G has been qualified for PCR applications by amplification of approximately 800 base pairs of the merozoite surface protein 2 (MSP2) gene.

### Material Provided:
Each vial of MRA-321G 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-321G 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 FCR3CSA, MRA-321G, contributed by Artur Scherf."

### 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.

### Disclaimers:
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### References:
1. Vásquez, A. M., C. Segura and S. Blair. "Induction of Pro-Inflammatory Response of the Placental Trophoblast by *Plasmodium falciparum* Infected Erythrocytes and TNF." Malar. J. 12 (2013): 421. PubMed: 24237643.
2. Rasti, N., et al. "Nonimmune Immunoglobulin Binding and Multiple Adhesion Characterize *Plasmodium falciparum*-Infected Erythrocytes of Placental Origin." Proc. Natl. Acad. Sci. USA 103 (2006): 13795-13800. PubMed: 16945914.

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