

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

Catalog No. MRA-914G

Product Description: Genomic DNA was extracted from a preparation of *Plasmodium falciparum* (*P. falciparum*), strain FC27/PNG (Papua New Guinea).

Lot¹: 63937221

Manufacturing Date: 16MAR2016

TEST	SPECIFICATIONS	RESULTS
Sequencing of Merozoite Surface Protein 2 (MSP2) gene (~ 770 base pairs)	Consistent with <i>P. falciparum</i>	Consistent with <i>P. falciparum</i>
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen[®] Measurement	Report results	16.3 ng/μL
Amount	Report results	~ 500 ng per vial
Functional Activity by PCR Amplification MSP2 locus ²	~ 600-900 base pair amplicon	~ 900 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.6 to 2.1	2.0
Protozoan Inactivation Human erythrocytes exposed to 10% of total yield of MRA-914G ³	No parasitemia observed	No parasitemia observed
Mycoplasma Contamination DNA Detection by PCR	None detected	None detected

¹MRA-914G was produced from a cell culture of BEI Resources MR-MRA-914 lot 58591230. Genomic DNA was extracted using proprietary technology.

²Primer sequences and conditions for PCR are available upon request.

³15 days in complete RPMI culture medium at 37°C in sealed flasks outgassed with blood-gas atmosphere (90% N₂, 5% CO₂, 5% O₂). Complete RPMI culture medium was changed and parasitemia checked every 2 to 4 days.

Date: 26 JUL 2016

Signature:



BEI Resources Authentication

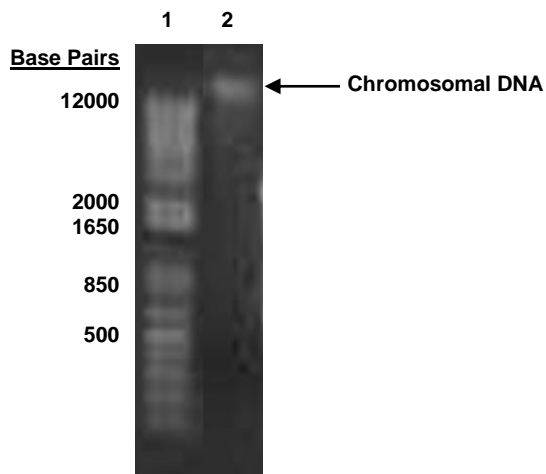
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Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder

Lane 2: ~ 436 ng of MRA-914G