

Genomic DNA from *Plasmodium falciparum*, Strain FCB

Catalog No. MRA-309G

Product Description: Genomic DNA was extracted from a preparation of *Plasmodium falciparum* (*P. falciparum*), strain FCB.

Lot¹: 63901357

Manufacturing Date: 14JAN2016

TEST	SPECIFICATIONS	RESULTS
Sequencing of Merozoite Surface Protein 2 (MSP2) gene (~ 780 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 NanoDrop™ Measurement	Report results	10 µg/mL
Amount	Report results	~ 500 ng per vial
Functional Activity by PCR Amplification MSP2 locus²	~ 600-900 base pair amplicon	~ 800 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-309G ³	No parasitemia observed	No parasitemia observed
Mycoplasma Contamination DNA Detection by PCR	None detected	None detected

¹MRA-309G was produced from a cell culture of BEI Resources MRA-309 lot 3925984. Genomic DNA was extracted using proprietary technology.

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

³14 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 3 days.

Date: 17 FEB 2016

Signature: 

BEI Resources Authentication

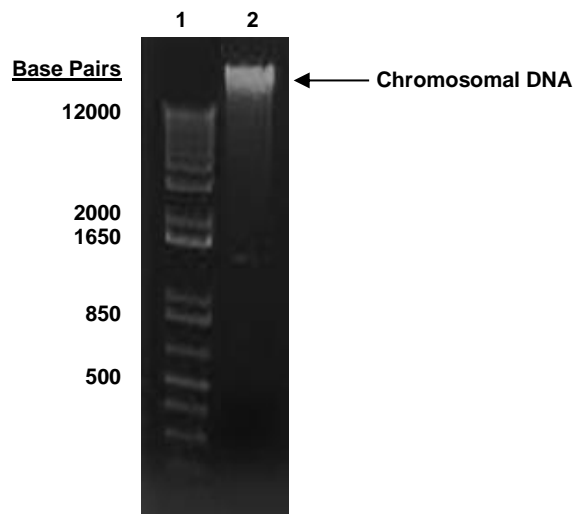
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Figure 1: Agarose Gel Electrophoresis



Lane 1: ~ 757 ng of MRA-309G

Lane 2: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder