

Genomic DNA from *Plasmodium falciparum*, Strain IPC 4912

Catalog No. MRA-1241G

Product Description: Genomic DNA was extracted from a preparation of *Plasmodium falciparum* (*P. falciparum*), strain IPC 4912.

Lot¹: 62401482

Manufacturing Date: 03JUL2014

TEST	SPECIFICATIONS	RESULTS
Sequencing of Merozoite Surface Protein 2 (MSP2) gene (~ 720 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 locus ²	~ 600-900 base pair amplicon	~ 900 base pair amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.6 to 2.1	2.1
Protozoan Inactivation Human erythrocytes exposed to 10% of total yield of MRA-1241G ³	No parasitemia observed	No parasitemia observed
Mycoplasma Contamination DNA Detection by PCR	None detected	None detected

¹MRA-1241G was produced from a cell culture of the deposited material. 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: 31 MAY 2016

Signature:



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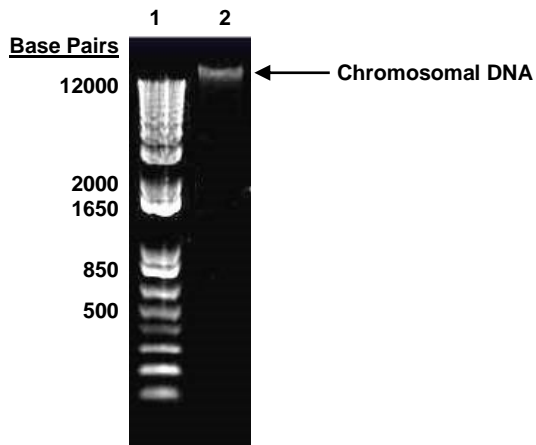
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Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ 1 Kb Plus DNA Ladder
Lane 2: ~ 490 ng of MRA-1241G