A. Traditional Nested PCR

First “Outer” Primer Set

U1 [0.25 µM]

P. falciparum DNA

Target Sequence

1st Amplicon

U2 [0.25 µM]

Second “Inner” Primer Set

U3 [0.25 µM]

Transfer to 2nd PCR tube

2nd Amplicon

U4 [0.25 µM]

Plasmodium falciparum DNA biomarker

B. Semi-nested Asymmetrical PCR

Combined “Inner & Outer” Primer Sets

U1 [0.45 µM]

P. falciparum DNA

Target Sequence

U2 [0.1 µM]

Amplicon

U4 [0.3 µM]

Plasmodium falciparum DNA biomarker

Ta1 = 58.3°C for 9 cycles

Ta2 = 40.1°C for 25 cycles