

LIST OF ABBREVIATIONS

Abbreviation or symbol	Term
bp	Base pair
CQ	Chloroquine
PQ	Primaquine
DHFR	Dihydrofolate reductase
DHFR-TS	Dihydrofolate reductase-thymidylate synthase
DHPS	Dihydropteroate synthase
PPPK	hydroxymethy dihydropterin pyrophosphokinase
DMSO	Dimethyl sulfoxide
dTMP	Deoxythymidine monophosphate
IC ₅₀	Concentration that inhibition 50% parasite growth
PCR	Polymerase Chain Reaction
RFLP	Restriction Fragment Length Polymorphism
mg	Milligram
MIC	Minimum inhibitory concentration
ml	Milliliter
N ₂	Nitrogen
O ₂	Oxygen
CO ₂	Carbon dioxide

LIST OF ABBREVIATIONS (Cont.)

Abbreviation or symbol	Term
SD	Sulfadoxine
SP	Sulfadoxine/pyrimethamine
DDS	Dapsone
CCG	Chlorcycloguanil
WR	WR99210
μl	Microliter
μM	Micromolar
Kg	Kilogram
<i>p</i> ABA	<i>p</i> -aminobenzoic acid
GTP	Guanosine triphosphate
WHO	World Health Organization
YAC	Yeast Artificial Chromosome
MSP1	Merozoite Surface Protein 1
MSP3 α	Merozoite Surface Protein 3 alpha
AMA1	Apical Membrane Antigen 1
CSP	Circumsporozoite Protein
GAM1	Gametocyte Antigen 1
DHPPP	2-amino- 4-hydroxy-6-hydroxymethyl- 7,8 dihydropteridine pyrophosphate
DHP	Dihydropteroate
DHFS	Dihydrofolate synthase

LIST OF ABBREVIATIONS (Cont.)

Abbreviation or symbol	Term
THF	Tetrahydrofolate
kD	Kilodalton
pLDH	Parasite Lactate Dehydrogenase
HRP2	Histidine-Rich Protein II
<i>Pfcr1</i>	<i>P. falciparum</i> Chloroquine Resistance Transporter gene
nM	Nanomolar
°C	Degree Celsius
PBS	Phosphate-Buffered Saline
H	Hour
Min	Minute
MgCl ₂	Magnesium chloride
KCl	Potassium chloride
HCL	Hydrochloric acid
DNA	Deoxy-Ribonucleic Acid
<i>Hha I</i>	<i>Haemophilus haemolyticus I</i>
ORI	Origin of replication
CEN	Centromere
TRP	Tryptophan
AMP	Ampicillin
<i>E. coli</i>	<i>Escherichia coli</i>

LIST OF ABBREVIATIONS (Cont.)

Abbreviation or symbol	Term
<i>S. cerevisiae</i>	<i>Saccharomyces cerivisiae</i>
dTMP	Thymidine monophosphate
M	Molar
nm	Nanometer
RR	Relative resistance
HEPES	N ² -12 hydroxyethyl piperazine- N ² -2- ethanesulfonic
TBE	Tris/Borate/EDTA
% w/v	Percent weight by volume
NaOH	Sodium hydroxide
LB	Luria Bertani
ddH ₂ O	Double distilled water
YEPD	Yeast Extract, Peptone and Dextrose
PEG	Polyethylene glycol
TE	Tris/EDTA
EDTA	Ethylene-diamine-tetraacetate
LiOAc	Lithium Acetate
OD	Optical density
<i>et al.</i>	And others