

## ABBREVIATIONS

%	Percent
°C	Degree centigrade
AFB	Acid Fast Bacilli
Amp	Ampicillin
APS	Ammonium persulphate
BCG	Bacillus Calmette Guerin
bp	Base pair
BSA	Bovine serum albumin
CD	Circular dichroism
CFU	Colony forming unit
CIAP	Calf intestinal alkaline phosphate
cm	Centimeter
DAB	Diaminobenzidine
DFI	Differential fluorescence induction
DNA	Deoxyribonucleic acid
dNTP	deoxyribonucleoside triphosphate
EDTA	Ethylene diamine tetra acetic acid
GFP	Green fluorescent protein
gm	Grams
H <sub>2</sub> O	Water
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide
HIV	Human Immunodeficiency Virus
hr	Hour
HRP	Horse radish peroxidase
IFN	Interferon
IL	Interleukin
iNOS	Inducible nitric oxide synthase
iv	Intra venous
IVET	in vivo expression technology

IVIAT	in vivo induced antigen technology
Kb	kilo bases
kDa	Kilo Dalton
Km	Kanamycin
KO	Knock out
L	Microliter
LAM	Lipoarabinomannan
LB	Luria-Bertani
LJ	Lowenstein Jensen
LM	Lipomannan
M	Micromolar
M	Molar
mAu	Milli absorption unit
MB	Middlebrook
MDR	Multiple Drug Resistant
mg	milli grams
min	Minutes
ml	Milli litres
mM	Milli molar
MOPS	3-morphinopropanesulphonic acid
mRNA	messenger RNA
nM	Nanometer
OD	Optical density
ORF	open reading frame
PAGE	Polyacrylamide gel electrophoresis
PBS	Phosphate buffered saline
PCR	Polymerase chain reaction
PEG	Polyethylene glycol
pg	Picogram
pH	Negative log of hydrogen ion
PMSF	Phenylmethylsulphonyl fluoride

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RbCl	rubidium chloride
RNA	Ribonucleic acid
RNIs	Reactive nitrogen intermediates
ROI	reactive oxygen intermediate
SCID	Severe combined immune deficiency
SDS	Sodium dodecyl sulphate
sec	Seconds
SOD	Superoxide dismutase
Str	Streptomycin
T-20	Tween -20
TAE	Tris acetate EDTA
TB	Tuberculosis
TBE	Tris borate EDTA
TEMED	N,N,N,N-tetramethylethylenedimine
TES	Tris EDTA saline
TGF	Transforming growth factor
TNF	Tumor necrosis factor
TNS	Tween normal saline
TRIS	Tris (hydroxymethyl)aminomethane
TSR	Template Suppressor Reagent
UV	Ultraviolet
X-gal	5-bromo-4chloro-3-indolyl b-D-galactopyranoside
µg	Microgram
µl	Microliter
µM	Micromolar