

List of Abbreviations

Amp	Ampicillin
APS	Ammonium persulphate
BLAST	Basic Local Alignment Search Tool
bp	base pair (s)
DNA	Deoxyribonucleic acid
dNTPs	2-deoxy-5'-triphosphates
EDTA	Ethylene diamine tetra acetic acid
ELISA	Enzyme linked immuno-sorbent assay
EtBr	Ethidium bromide
IPTG	Isopropyl β -D thio galactopyranoside
kb	Kilo base pair
Kan	Kanamycin
LB	Luria broth
MCS	multiple cloning site
MW	molecular weight
mRNA	messenger ribonucleic acid
NCBI	National Centre for Biotechnology Information
nt	Nucleotides
OD _x	Optical Density at wavelength of x nm
ORF	open reading frame
Ori	Origin of replication
PAGE	Polyacrylamide Gel Electrophoresis
PCR	Polymerase Chain Reaction
PBS	Phosphate Buffered Saline
RE	Restriction Endonuclease
RO	Reverse Osmosis purified
rpm	revolutions per minute
RT	Room temperature
RT-PCR	Reverse Transcription PCR
TBE	Tris-Borate EDTA
TEMED	N,N,N',N'-Tetramethylen ethylendiamide
Tris	Tris (hydroxymethyl) aminomethane
UV	Ultraviolet
v/v	Volume per volume
w/v	Weight per volume
X-Gal	5-Bromo-4-chloro-3- indolyl- β -D galactopyranoside
k	kilo (10 ³)

m	milli (10^{-3})
μ	micro (10^{-6})
n	nano (10^{-9})
$^{\circ}\text{C}$	degree Celsius
Da	Dalton
g	gram
hrs	hour(s)
lit	litre
M	molar
min	minute(s)
sec	second
U	Unit (enzyme activity)
V	Volt
%	Percentage