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List of Abbreviations and Symbols

Å	=	angstrom, a unit of length equal to 10^{-8} cm
A_{280}	=	absorbance at the wavelength of 280 nm
A_{620}	=	absorbance at the wavelength of 620 nm
ACN	=	acetonitrile
AIDS	=	acquired immune deficiency syndrome
AMB	=	amphotericin B
ATCC	=	American Type Culture Collection
BF	=	bottom fraction
BFM	=	bottom fraction membrane
BSA	=	bovine serum albumin
°C	=	degree Celsius
<i>ca</i>	=	circa (about)
Ca^{2+}	=	calcium ion
$CaCl_2$	=	calcium chloride
CAPS	=	3-[cyclohexylamino]-1-propanesulfonic acid
CBB	=	calcium binding buffer
cDNA	=	complementary deoxyribonucleic acid
CFU/ml	=	Colony Forming Unit/milliliter
cm	=	centimeter
Da	=	Dalton
DDI	=	deionized water
DEAE	=	diethylaminoethyl
DMSO	=	dimethyl sulfoxide
DNA	=	deoxyribonucleic acid
DPH	=	1,6-diphenyl-1,3,5-hexatriene
DTT	=	dithiothreitol
EDTA	=	Ethylenediamine-tetraacetic acid disodium salt-2-hydrate

List of Abbreviations and Symbols (Continued)

FLU	=	fluconazole
FW	=	Frey Wyssling
GlcNAc	=	<i>N</i> -acetyl-D-glucosamine
GPI	=	glycosyl phosphatidylinositol
h	=	hour
HCl	=	hydrochloric acid
HCCA	=	alpha cyano-4-hydroxycinnamic acid
HPI	=	<i>Hevea</i> protease inhibitor
HR	=	hypersensitive response
ITRA	=	itraconazole
K ⁺	=	potassium ion
kDa	=	kilodalton
L	=	liter
LMW	=	low molecular weight
LTPs	=	lipid-transfer proteins
M	=	molar, mol L ⁻¹
M _r	=	relative molecular mass
mA	=	milliampere
MAbs	=	monoclonal antibodies
MALDI-TOF	=	matrix-assisted laser desorption and ionization with time of flight
Mg ²⁺	=	magnesium ion
mg	=	milligram
mg/ml	=	milligram/milliliter
MgSO ₄	=	magnesium sulfate
MIC	=	minimal inhibitory concentration
min	=	minute
ml	=	milliliter

List of Abbreviations and Symbols (Continued)

mm	=	millimeter
mm ²	=	square millimeter
mM	=	millimolar
MOPS	=	morpholinepropanesulfonic acid
MS	=	mass spectrometry
MW	=	molecular weight
N ₂	=	nitrogen gas
NaCl	=	sodium chloride
NaH ₂ PO ₄ ·2H ₂ O	=	monosodium dihydrogen orthophosphate dihydrate
Na ₂ HPO ₄ ·2H ₂ O	=	disodium hydrogen orthophosphate dehydrate
NCCLS	=	National Committee for Clinical Laboratory Standards
ng	=	nanogram
ng/μl	=	nanogram/microliter
NH ₄ HCO ₃	=	ammonium bicarbonate
nm	=	nanometer
OD	=	optical density
PBS	=	phosphate buffer saline
pH	=	potentia hydrogenium
PMF	=	peptide mass fingerprints
PR	=	pathogenesis-related
REF	=	rubber elongation factor
RIPs	=	ribosome-inactivating proteins
RNA	=	ribonucleic acid
rRNA	=	ribosomal ribonucleic acid
RP	=	rubber particle
RRIM	=	Rubber Research Institution of Malaysia
SA	=	salicylic acid

List of Abbreviations and Symbols (Continued)

SAR	=	systemic acquired resistance
SDA	=	Sabouraud dextrose agar
SDS	=	sodium dodecyl (lauryl) sulfate
SDS-PAGE	=	sodium dodecyl (lauryl) sulfate-polyacrylamide gel electrophoresis
SISA	=	simple interactive statistical analysis
spp.	=	species
SRP	=	small rubber particle
SRPP	=	small rubber particle protein
std	=	standard
TBS	=	Tris-buffer saline
TEMED	=	N,N,N'N'-tetramethylethylenediamine
TERB	=	terbinafine
TFA	=	Trifluoroacetic acid
Tris	=	Tris (hydroxymethyl) aminomethane
U.S.	=	United States
VOR	=	voriconazole
v/v	=	volume/volume
w/v	=	weight/volume
YEPG	=	yeast extract-peptone-glucose medium
µg/ml	=	microgram per milliliter
µl	=	microliter
µm	=	micrometer
µM	=	micromolar
°	=	degree
%	=	percentage
x g	=	gravitation acceleration
±	=	plus or minus