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LISTS OF ABBREVIATIONS AND SYMBOLS

Symbols of Amino Acids

A	Ala	=	Alanine
C	Cys	=	Cysteine
D	Asp	=	Aspartic Acid
E	Glu	=	Glutamic Acid
F	Phe	=	Phenylalanine
G	Gly	=	Glycine
H	His	=	Histidine
I	Ile	=	Isoleucine
K	Lys	=	Lysine
L	Leu	=	Leucine
M	Met	=	Methionine
N	Asn	=	Asparagine
P	Pro	=	Proline
Q	Gln	=	Glutamine
R	Arg	=	Arginine
S	Ser	=	Serine
T	Thr	=	Threonine
V	Val	=	Valine
W	Trp	=	Tryptophan
Y	Tyr	=	Tyrosine

Symbols of Common Terms

Å	=	angstrom
aa	=	Amino acids
ATCC	=	American Type Culture Collection

LISTS OF ABBREVIATIONS AND SYMBOLS (CONT.)

°C	=	Degree Celsius
CD	=	Circular dichroism
cm	=	centimeter
Da	=	Dalton
DNA	=	Deoxyribonucleic acid
DSM	=	Deutsche Sammlung für Mikroorganismen
DTT	=	Dithiothreitol
EDTA	=	Ethylenediamine tetraacetic acid
e.g.	=	For example
EM	=	Electron microscope
ESI-MS	=	electrospray ionisation mass spectrometry
Fig.	=	Figure
FFL	=	US Food Fermentation Laboratory
FPLC	=	Fast performance liquid chromatography
g	=	gram
GPC	=	gel permeation chromatography
h	=	Hours
HPLC	=	High pressure liquid chromatography
IgA	=	immunoglobulin A
IgG	=	immunoglobulin G
kDa	=	KiloDalton
kg	=	Kilogram
λ	=	Wavelength
L	=	liter
LMG	=	Laboratorium voor Microbiologie
LJP	=	localized juvenile periodontitis
LPS	=	lipopolysaccharide
MALDI	=	Matrix-assisted laser desorption/ionization

LISTS OF ABBREVIATIONS AND SYMBOLS (CONT.)

MALDI-MS	=	Matrix-assisted laser desorption/ionization mass spectrometry
MALDI-TOF	=	matrix-assisted laser desorption ionization time-of-flight
mg	=	milligram
MBC	=	minimum bactericidal concentration
MIC	=	minimum inhibitory concentration
MIC50	=	MIC at which 50% of isolates are inhibited
MIC90	=	MIC at which 90% of isolates are inhibited
mcM	=	micromolar
min	=	minute
mL	=	milliliter
mm	=	millimeter
mU	=	milliunit
NCTC	=	National Collection of Type Cultures
NRRL	=	Northern Regional Research Laboratory
OMP	=	outer membrane protein
PBS	=	phosphate-buffered saline
PCR	=	polymerase chain reaction
pIs	=	isoelectric points
PITC	=	Phenylisothiocyanate
PDL	=	periodontal ligament cells
PMN	=	polymorphonuclear leukocyte
PTH	=	phenylthiohydantoin
RP-HPLC	=	reversed-phase high performance liquid chromatography
RT	=	retention time
SDS	=	sodium dodecyl sulphate
SDS-PAGE	=	sodium dodecyl sulphate-polyacrylamide gel electrophoresis

LISTS OF ABBREVIATIONS AND SYMBOLS (CONT.)

SEM	=	scanning electron microscopy
sIgA	=	secretory immunoglobulin A
SOD	=	superoxide dismutase
TEM	=	transmission electron microscopy
Tris	=	tris(hydroxymethyl)aminomethane
TFA	=	trifluoroacetic acid
w/v	=	weight by volume
v/v	=	volume by volume
μg	=	microgram
μL	=	microliter
μm	=	micrometer
%	=	percent