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List of Abbreviations and Symbols

Ab	=	antibody
BSA	=	bovine serum albumin
BAU	=	bacterial agglutination unit
°C	=	degree of Celsius
cfu	=	colony forming unit
cm	=	centimeter
DAB	=	3, 3'-diaminobenzidine
DMB	=	1,2-diamino-4,5-methylenedioxybenzene
DEAE	=	diethylaminoethyl
ELISA	=	enzyme linked immunosorbent assay
FPLC	=	fast protein liquid chromatography
g	=	gram
× g	=	gravitation acceleration
Gal	=	galactose
GalN	=	galactosamine
Glc	=	glucose
GlcN	=	glucosamine
GlcNAc	=	<i>N</i> -acetyl glucosamine
h	=	hour
HA	=	hemagglutinating activity
HOAc	=	acetic acid
HPLC	=	high performance liquid chromatography
HPAEC-PAD	=	High Performance Anion-Exchange Chromatography with Pulsed Amperometric Detection
HRP	=	horseradish peroxidase
IEF	=	isoelectric focusing

List of Abbreviations and Symbols (Continued)

Ig	=	immunoglobulin
kg	=	kilogram
kDa	=	kilodalton
M	=	molar
mA	=	milliampere
Man	=	mannose
min	=	minute
ml	=	milliliter
mM	=	millimolar
M_r	=	molecular mass or relative molecular weight
MW	=	molecular weight
ng	=	nanogram
nm	=	nanometer
nmol	=	nanomole
O.D.	=	optical density
OPD	=	<i>o</i> -phenylenediamine
PAGE	=	polyacrylamide gel electrophoresis
pH	=	$-\log$ hydrogen ion concentration
pI	=	Isoelectric point
pmol	=	picomole
RP-HPLC	=	reverse phase- high performance liquid chromatography
SDS	=	sodium dodecyl sulfate
TB	=	tris buffer
TBS	=	tris buffer saline
TEMED	=	N,N,N',N' -Tetramethylethylenediamine
TMB	=	$3,3',5,5'$ -tetramethylbenzidine
Tris	=	Tris (hydroxymethyl) aminomethane

List of Abbreviations and Symbols (Continued)

U	=	unit
μg	=	microgram
μl	=	microliter
V	=	voltage
%	=	percentage