

List of Abbreviations

Abbreviation	Term
BHT	Butylated hydroxytoluene
BSA	Bovine serum albumin
CaCl ₂	Calcium chloride
cm	Centimeter
cm ³	Cubic centimeter
cNOS	Constitutive nitric oxide synthase
CO ₂	Carbondioxide
conc.	Concentration
COX-1	Cyclooxygenase-1
COX-2	Cyclooxygenase-2
DMSO	Dimethyl sulfoxide
DNP-BSA	Anti-dinitrophenylated bovine albumin
DNP IgE	Dinitrophenyl-Immunoglobulin E
DPPH	1,1-Diphenyl-2-picrylhydrazyl
EC ₅₀	Concentration causing 50% effective activity
EDTA	Ethylenediamine tetraacetic acid
e.g.	Exempli gratia, for example
ELISA	Enzyme-linked immunosorbent assay
eNOS	Epithelial nitric oxide synthase
EPR	Electron paramagnetic resonance
<i>et al.</i>	Et alii, and others
etc.	Et cetera, and other things
FcεRI	The high-affinity IgE receptor
ft	Foot (Feet)
g	Gram
g/l	Gram per liter
g/ml	Gram per milliliter
h	Hour
HCl	Hydrochloric acid

List of Abbreviations (Continued)

Abbreviation	Term
H ₂ O	Water
IC ₅₀	Concentration causing 50% inhibition effect
i.e.	Id est, that is
IgE	Immunoglobulin E
IL-4, IL-10	Interleukin-4, Interleukin-10
in	Inch (Inches)
iNOS	Inducible nitric oxide
KCl	Potassium chloride
5-LOX	5-Lipoxygenase
LPS	Lipopolysaccharide
m	Meter
M	Molar (concentration)
MA	Malonaldehyde
MEM	Minimum essential medium eagle
mg	Milligram
MgCl ₂	Magnesium chloride
mg/kg	Milligram per kilogram
mg/ml	Milligram per milliliter
min	Minute
ml	Milliliter
mm	Millimeter
mM	Millimolar
MQ	Milli-Q
MTT	Thiazolyl blue tetrazolium bromide or 3-(4,5-Dimethyl-2-thiazolyl)-2,5-diphenyl-2 <i>H</i> - tetrazolium bromide
N	Normality
NaCl	Sodium chloride
Na ₂ CO ₃	Sodium carbonate

List of Abbreviations (Continued)

Abbreviation	Term
NADPH	Nicotinamide adenine dinucleotide phosphate
NaHCO ₃	Sodium bicarbonate
NaOH	Sodium hydroxide
NED	<i>N</i> -(1-Naphthyl)ethylenediamine dihydrochloride
nm	Nanometer
nNOS	Neuronal nitric oxide synthase
NO	Nitric oxide
NO ₂ ⁻	Nitrite
NOHarginine	N ^w -hydroxy-L-arginine
NOS	Nitric oxide synthase
OD	Optical density
ONOO ⁻	Peroxynitrite
PAF	Platelet activating factors
PBS	Phosphate buffer saline
PGE ₂	Prostaglandin E ₂
pg/ml	Picogram per milliliter
pH	Potential of hydrogen ion
PIPES	Piperazine- <i>N,N'</i> -bis(2-ethanesulfonic acid)
PNAG	4-Nitrophenyl <i>N</i> -acetyl-β-D-glucosaminide
p.o.	<i>Per os</i>
P/S	Penicillin-Streptomycin
RAW 264.7	Murine macrophage leukemia
RBL-2H3	Rat basophilic leukemia
RNS	Reactive nitrogen species
rpm	Revolution per minute
RPMI 1640	Roswell Park Memorial Institute 1640
ROS	Reactive oxygen species
SA	Sulfanilamide
SEM	Standard error of mean

List of Abbreviations (Continued)

Abbreviation	Term
T _H 2	T helper 2
TNF- α	Tumor necrosis factor-alpha
U/ml	Unit per milliliter
UV	Ultraviolet
w/w	Weight by weight
°C	Degree celsius
%	Percent
>	More than
<	Less than
=	Equal
"	Inch
/	Per
α	Alpha
β	Beta
γ	Gamma
&	And
μ g	Microgram
μ g/ml	Microgram per milliliter
μ l	Microliter
μ M	Micromolar