

List of Abbreviations

Abbreviations	Term
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
DNA	Deoxyribonucleic acid
EDTA	Ethylenediamine tetraacetic acid
e.g.	Exempli gratia, for example
ELISA	Enzyme-linked immunosorbent assay
eNOS	Epithelial nitric oxide synthase
EPR	Electron paramagnetic resonance
et al.	Et alii, and others
etc.	Et cetera, and other things
ft	Foot (Feet)
g	Gram
g/l	Gram per liter
g/ml	Gram per milliliter
h	Hour
HCl	Hydrochloric acid
H ₂ O	Water
IC ₅₀	Concentration causing 50% inhibition effect
i.e.	Id est, that is
IFN- γ	Interferon-gamma
IL-4, IL-10	Interleukin-4, Interleukin-10
in	Inch (Inches)
iNOS	Inducible nitric oxide

List of Abbreviations (Continued)

Abbreviations	Term
KCl	Potassium chloride
5-LOX	5-Lipoxygenase
LPS	Lipopolysaccharide
m	Meter
M	Molar (concentration)
mg	Milligram
MgCl ₂	Magnesium chloride
mg/kg	Milligram per kilogram
mg/ml	Milligram per milliliter
min	Minute
ml	Millimeter
mm	Millimeter
mM	Millimolar
MQ	Milli-Q
MTT	Thiazolyl blue tetrazolium bromide or 3-(4,5-Dimethyl-2-thiazolyl)-2,5-di[henyl- 2 <i>H</i> - tetrazolium bromide
N	Normality
Na ₂ CO ₃	Sodium carbonate
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

List of Abbreviations (Continued)

Abbreviations	Term
NOHarginine	N [*] -hydrixy-L-arginine
NOS	Nitric oxide synthase
OD	Optical density
ONOO ⁻	Peroxynitrite
PAF	Platelet activating factors
PBS	Phosphate buffer saline
PGE2	Prostaglandin E2
pg/ml	Picogram per milliliter
pH	Potential of hydrogen ion
PIPES	Piperazine- <i>N,N'</i> -bis(2-ethanesulfonic acid)
PMNs	Polymorphonuclear leukocyte
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
RNA	Ribonucleic acid
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
TNF- α	Tumor necrosis factor-alpha
U/ml	Unit per milliliter
UV	Ultraviolet
w/w	Weight by weight
°C	Degree celcius
%	Percent

List of Abbreviations (cont.)

Abbreviations	Term
>	More than
<	Less than
=	Equal
”	Inch
/	Per
α	Alpha
β	Beta
γ	Gamma
&	And
μg	Microgram
$\mu\text{g/ml}$	Microgram per milliliter
μl	Microliter
μM	Micromolar