

略語表 Abbreviations

※論文では略語表に掲載されている略語は Abbreviation欄にあげる必要はなく、略語をそのまま使用する。

《 Chemicals 》

AMP	adenosine 5' -monophosphate
ADP	adenosine 5' -diphosphate
ATP	adenosine 5' -triphosphate
Ala	alanine
Arg	arginine
Asn	asparagine
Asp	aspartic acid
CMP	cytidine 5' -monophosphate
CDP	cytidine 5' -diphosphate
CTP	cytidine 5' -triphosphate
Cys	cysteine
cAMP	adenosine 3', 5' -cyclic monophosphate
cGMP	guanosine 3', 5' -cyclic monophosphate
dAMP	deoxyadenosine 5' -monophosphate
dADP	deoxyadenosine 5' -diphosphate
dATP	deoxyadenosine 5' -triphosphate
dCMP	deoxycytidine 5' -monophosphate
dCDP	deoxycytidine 5' -diphosphate
dCTP	deoxycytidine 5' -triphosphate
dGMP	deoxyguanosine 5' -monophosphate
dGDP	deoxyguanosine 5' -diphosphate
dGTP	deoxyguanosine 5' -triphosphate
dNTP	deoxyribonucleotide triphosphate
dTTP	deoxythymidine 5' -triphosphate
dUTP	deoxyuridine 5' -triphosphate
ddATP	dideoxyadenosine 5' -triphosphate
ddCTP	dideoxycytidine 5' -triphosphate
ddGTP	dideoxyguanosine 5' -triphosphate
ddTTP	dideoxythymidine 5' -triphosphate
DNA	deoxyribonucleic acid
DNase	deoxyribonuclease
cDNA	complementary deoxyribonucleic acid
DOPA	3, 4-dihydroxyphenylalanine
EDTA	ethylenediaminetetraacetic acid

GMP	guanosine 5' -monophosphate
GDP	guanosine 5' -diphosphate
GTP	guanosine 5' -triphosphate
Gln	glutamine
Glu	glutamic acid
Gly	glycine
Hb	hemoglobin
HEPES	2 (4- (2-hydroxyethyl) -1-piperaziny) ethanesulfonic acid
His	histidine
Ig	immunoglobulin
Ile	isoleucine
Leu	leucine
Lys	lysine
Met	methionine
NAD	nicotinamide-adenine dinucleotide
NADH	reduced form of nicotinamide-adenine dinucleotide
NADP	nicotinamide-adenine dinucleotide phosphate
NADPH	reduced form of nicotinamide-adenine dinucleotide phosphate
NTP	nucleotide triphosphate
PBS	phosphate buffered saline
Phe	phenylalanine
Pro	proline
RNA	ribonucleic acid
RNase	ribonuclease
cRNA	complementary ribonucleic acid
mRNA	messenger ribonucleic acid
rRNA	ribosomal ribonucleic acid
tRNA	transfer ribonucleic acid
SDS	sodium dodecyl sulfate
SSC	standard saline citrate
Ser	serine
TMP	thymidine 5' -monophosphate
TDP	thymidine 5' -diphosphate
TTP	thymidine 5' -triphosphate
Tris	Tris (hydroxymethyl) aminomethane
Thr	threonine
Trp	tryptophan

Tyr	tyrosine
UMP	uridine 5' -monophosphate
UDP	uridine 5' -diphosphate
UTP	uridine 5' -triphosphate
Val	valine

《 Methods 》

CT	computed tomography
ELISA	enzyme-linked immunosorbent assay
HE	hematoxylin and eosin
MRI	magnetic resonance imaging
PCR	polymerase chain reaction
PCR-RT	reverse transcriptase-PCR
PAGE	polyacrylamide gel electrophoresis

《 Statistics 》

ANOVA	analysis of variance
SD	standard deviation
SEM	standard error of mean

《 Others 》

bp	base pair
MW	molecular weight
NIH	National Institutes of Health
OD	optical density
UV	ultraviolet
WHO	World Health Organization

《 mass 》

kilogram	kg
gram	g
Hertz	Hz
microgram	μ g
mole(gram-molecule)	mol

millimole	mmol
micromole	μ mol
nanomole	nmol
picomole	pmol
parts per million	ppm

《 time 》

hour	hr
minute	min
second	sec

《 volume 》

liter	l
milliliter	ml
microliter	μ l

《 length 》

meter	m
centimeter	cm
millimeter	mm
micrometer	μ m
nanometer	nm

《 concentration 》

molar (mol/l)	M
millimolar	mM
micromolar	μ M
nanomolar	nM
picomolar	pM

《 heat,energy, electricity 》

joule	J
degree Celsius (centigrade)	°C
ampere	A
volt	V
ohm	Ω

《 radiation 》

curie	Ci
counts	cpm
becquerel	Bq

《 miscellaneous 》

gravity	g
dissociation constant	K _d
median doses	LD ₅₀ ED ₅₀
square centimeter	cm ²