

Standard Abbreviations

Journal of Cancer Prevention provides a list of standard abbreviations. Standard Abbreviations are defined as those that may be used without explanation (e.g., DNA). Abbreviations not on the Standard Abbreviations list should be spelled out at first mention in both the abstract and the text. Abbreviations should not be used in titles; however, running titles may carry abbreviations for brevity.

■ Abbreviations

ADP, dADP	adenosine diphosphate, deoxyadenosine diphosphate	IR	infrared
AMP, dAMP	adenosine monophosphate, deoxyadenosine monophosphate	ITP, dITP	inosine triphosphate, deoxyinosine triphosphate
ANOVA	analysis of variance	LOH	loss of heterozygosity
AP-1	activator protein-1	MDR	multiple drug resistance
ATP, dATP	adenosine triphosphate, deoxyadenosine triphosphate	MHC	major histocompatibility complex
bp	base pair(s)	MRI	magnetic resonance imaging
CDP, dCDP	cytidine diphosphate, deoxycytidine diphosphate	mRNA	messenger RNA
CMP, dCMP	cytidine monophosphate, deoxycytidine monophosphate	MTS	3-(4,5-dimethylthiazol-2-yl)-5-(3-carboxymethoxyphenyl)-2-(4-sulfophenyl)-2H-tetrazolium
CNBr	cyanogen bromide	mTOR	mammalian target of rapamycin
cdNA	complementary DNA	MTT	3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
CoA	coenzyme A	NAD, NADH	nicotinamide adenine dinucleotide, reduced nicotinamide adenine dinucleotide
COOH	a functional group consisting of a carbonyl and a hydroxyl, which has the formula $-C(=O)OH$, usually written as COOH	NADP, NADPH	nicotinamide adnine dinucleotide phosphate, reduced nicotinamide adnine dinucleotide phosphate
COX	cyclooxygenase	NF- κ B	nuclear factor kappa-light-chain- enhancer of activated B cells
crNA	complementary RNA; RNA that anneals to cellular DNA	NOS	nitric oxide synthase
CTP, dCTP	cytidine triphosphate, deoxycytidine triphosphate	PARP	poly (ADP-ribose) polymerase
cAMP	cyclic adenosine monophosphate	PBS	phosphate-buffered saline
DHEA	dehydroepiandrosterone	PCR	polymerase chain reaction
DEAE	diethylaminoethyl	PPAR	peroxisome proliferator-activated receptor
DNA	deoxyribonucleic acid	Pi, PPi	orthophosphate, pyrophosphate
dsDNA	double stranded DNA	rDNA	ribosomal DNA
EGF	epidermal growth factor	Rf	retardation factor
ELISA	enzyme-linked immunosorbent assay	RFLP	restriction fragment length polymorphism
EtOH	ethanol	RIA	radioimmunoassay
FBS	fetal bovine serum	RPMI	Roswell Park Memorial Institute
FISH	fluorescence in situ hybridization	rRNA	ribosomal RNA
GDP, dGDP	guanosine diphosphate, deoxyguanosine diphosphate	SDS	sodium dodecyl sulfate
GMP, dGMP	guanosine monophosphate, deoxyguanosine monophosphate	SDS PAGE	sodium dodecyl sulfate polyacrylamide gel electrophoresis
GTP, dGTP	guanosine triphosphate, deoxyguanosine triphosphate	sRNA	soluble RNA
GVHD	graft-versus-host disease	ssDNA	single stranded DNA
HER2	human epidermal growth factor receptor 2	STAT3	signal transducers and activators of transcription 3
HSP	heat shock protein	SV40	simian virus 40
IC ₅₀	half maximal inhibitory concentration	TBS	Tris-buffered saline
IDP, dIDP	inosine diphosphate, deoxyinosine diphosphate	TEAE	triethylaminoethyl
IFN	interferon	TGF	transforming growth factor
IMP, dIMP	inosine monophosphate, deoxyinosine monophosphate	TNF	tumor necrosis factor

VEGF	vascular endothelial growth factor		
UV	ultraviolet	HEPPS	ethanesulfonic acid 3-[4-(2-hydroxyethyl)piperazin-1-yl] propane-1-sulfonic acid
w/v	weight per volume	MES	2-(N-morpholino)ethanesulfonic acid or 2-morpholin-4-ylethanesulfonic acid
w/w	weight for weight	MOPS	3-morpholinopropane-1-sulfonic acid or 4-morpholinepropanesulfonic acid
■ Buffers		PIPES	piperazine-N,N'-bis(2-ethanesulfonic acid) or 1,4-piperazinediethanesulfonic acid
ACES or ACES	N-(2-acetamido)-2-aminoethanesulfonic acid	TAPS	3-{{[1,3-dihydroxy-2-(hydroxymethyl) propan-2-yl]amino}propane-1-sulfonic acid or N-tris(hydroxymethyl)methyl-3- aminopropanesulfonic acid
Ada or ADA	N-(2-acetamido)iminodiacetic acid	TEMED	N,N,N',N'-tetramethylethylenediamine
Bes or BES	N,N-bis(2-hydroxyethyl)-2-aminoethanesulfonic acid	TES	2-{{[1,3-dihydroxy-2-(hydroxymethyl) propan-2-yl]amino}ethanesulfonic acid or N-tris(hydroxymethyl)methyl-2- aminoethanesulfonic acid
Bicine	N,N-bis(2-hydroxyethyl)glycine	Tricine	N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl] glycine or N-[tris(hydroxymethyl)methyl] glycine
Bis-tris or BIS-TRIS	2-bis(2-hydroxyethyl)amino-2- (hydroxymethyl)-1,3-propanediol or bis (2-hydroxyethyl)amino-tris(hydroxymethyl) methane	Tris	N-tris(hydroxymethyl)aminomethane or 2-amino-2-(hydroxymethyl)propane-1,3-diol
CAPS	N-cyclohexyl-3-aminopropanesulfonic acid		
CDTA	cyclohexylenedinitrilotetraacetate		
Chaps or CHAPS	3-[(3-cholamidopropyl) dimethylammonio]-1- propanesulfonate		
CHAPSO	3-[(3-cholamidopropyl)dimethylammonio]-2- hydroxy-1-propanesulfonate		
Ches or CHES	N-cyclohexyl-2-aminoethanesulfonic acid		
EDTA	ethylenediaminetetraacetic acid		
EGTA	ethyleneglycoltetraacetic acid		
HEPES	2-[4-(2-hydroxyethyl)piperazin-1-yl]		

Measurements and Units of Measure

■ Combining Prefixes

T	tera- (10^{12})
G	giga- (10^9)
M	mega- (10^6)
k	kilo- (10^3)
h	hecto- (10^2)
da	deca- (10^1)
d	deci- (10^{-1})
c	centi- (10^{-2})
m	milli- (10^{-3})
μ	micro- (10^{-6})
n	nano- (10^{-9})
p	pico- (10^{-12})
f	femto- (10^{-15})
a	atto- (10^{-18})

■ Units

A	ampere(s)
Å	angstrom(s)
cal	calorie(s)
CFU	colony-forming unit(s)
C	coulomb(s)
cpm	counts per minute
cps	counts per second
cm ³	cubic centimeter(s) (not cc)
Ci	Curie(s)
cycle/min	cycles per minute

cycle/s	cycles per second
Da	dalton(s)
d	day(s)
dL	deciliter
°C	degree(s) Celsius
<i>d</i>	density
dpm	disintegrations per minute
dps	disintegrations per second
eV	electron volt(s)
Eq	equivalent(s)
°F	degree(s) Fahrenheit
F	farad
ft	foot
G	gauss
<i>g</i>	gravity
<i>t</i> _{1/2}	half-life
H	henry(ies)
Hz	hertz
h	hour(s)
in	inch(es)
IU	international unit(s)
J	joule(s)
K	kelvin
kcal	kilocalorie(s)
kDa	kilodalton(s)
kg	kilogram(s)
L	liter(s)

×	magnification
m	meter(s)
μg	microgram(s)
μL	microliter(s)
μm	micrometers (do not use microns)
μs	microsecond(s)
mL	milliliter(s)
mmHg	millimeter(s) of mercury
min	minute(s)
mo	month(s)
mol/L	molar
mol	mole(s)
ms	millisecond(s)
Ω	ohm(s)
osm	osmole(s)
oz	ounces(s)
Pa	pascal(s)
lb	pound(s)
psi	pound-force per square inch
rpm	revolutions per minute
rps	revolutions per second

s	second(s)
U	unit(s)
V	volts(s)
W	watt(s)
wk	week(s)
yr	year(s)

■ Statistical Terms

ANOVA	analysis of variance
CI	confidence interval
<i>r</i>	correlation coefficient
<i>df</i>	degrees of freedom
\bar{x}	mean
NS	not significant
n	number of observations
OR	odds ratio
<i>P</i>	probability
SD	standard deviation
SE	standard error
SEM	standard error of the mean
F	variance ratio

General Information

Drug names. Please use generic names wherever possible. If a trade name was used in the study being reported, please write it in parentheses, along with the manufacturer's name and location.

Chemical names. Chemical names should be spelled and styled according to the Merck Index, 10th edition.

Manufacturers. When the use of specific scientific equipment

or other products is cited in the manuscript, the manufacturer's full name, city/town, state, and country should be given in the parenthesis immediately after the citation. If other equipments or products from the same manufacturer are cited later in the paper, the manufacturer's name only should be given in the parenthesis.