

Standard Abbreviations for Use in ASPET's Journals

Abbreviations not on this list must be defined in a footnote.

×	multiplication or magnification
°C	degrees Centigrade (close up to numbers, e.g., 20°C)
°F	degrees Fahrenheit (close up to numbers, e.g., 20°C)
¹⁴ C, ³ H, ¹²⁵ I, ³² P	radioactive elements (e.g., ¹⁴ C-labeled digitoxin, [¹⁴ C]digitoxin)
a.c.	alternating current
ADP	adenosine 5'-diphosphate
AIDS	acquired immunodeficiency syndrome
AM	morning (ante meridian)
AMP	adenosine 5'-monophosphate
AT ₅₀	median atomic dose
ATP	adenosine 5'-triphosphate
avg.	average (in tables or parentheses)
b.i.d.	<i>bis in die</i> ; twice daily
b.p.	boiling point
B _{max}	maximal binding
cAMP	cyclic AMP
CD40	name of a molecule
CD ₅₀	lethal concentration, 50% by volume
cDNA	complementary DNA
CDP	cytidine 5'-diphosphate
cGMP	cyclic GMP
Cm-cellulose	O-(carboxymethyl)cellulose
CMP	cytidine 5'-monophosphate
CMP-NeuAc	cytidine monophosphate <i>N</i> -acetylneuraminic acid
CoA	coenzyme A
CoASAc	acetyl coenzyme A
conc.	concentration (use in tables only)
ct	product of concentration
CTP	cytidine 5'-triphosphate
CV	coefficient of variation
D-	dextro (prefix indicating spatial configuration)
<i>d</i> -	dextrorotatory
d.c.	direct current
d.wt.	dry weight
DDT	dichlorodiphenyltrichloroethane
DEAE	diethylaminoethyl
dec	decompose (melting point)
df	degrees of freedom

<i>dl-</i> or <i>DL-</i>	dextro-levo (to express racemic mixtures; no comma, hyphenated to the compound, e.g., <i>DL</i> -lactic acid)
DNA	deoxyribonucleic acid
DOPA	3,4-dihydroxyphenylalanine (prefer DOPA)
dTDP	thymidine 5'-diphosphate
dTMP	thymidine 5'-monophosphate
dTTP	thymidine 5'-triphosphate
EC ₅₀	50% effective concentration; use "EC ₅₀ values" instead of "EC ₅₀ S"
ECG	electrocardiogram (or EKG) (author may use either, but be consistent)
ED ₅₀	median effective dose
EDTA	ethylenediaminetetraacetic acid
EGTA	ethylene glycol bis(2-aminoethyl ether)tetraacetic acid
EPR	electron paramagnetic resonance
expt.	experiment (use only in tables)
<i>F</i>	$F = 17.9$; $df = 2,40$; can also appear as $F(2,40)$ or $F_{2,40}$
f.p.	focal point
FAD	flavin-adenine dinucleotide
FADH ₂	flavin-adenine dinucleotide, fully reduced form
FMN	riboflavin 5'-phosphate
<i>g</i>	acceleration caused by gravity (3000 <i>g</i>); close up, no times symbol
GABA	γ-aminobutyric acid
GDP	guanosine diphosphate
GMP	guanosine monophosphate
GSH	glutathione
GSSG	glutathione disulfide
GTP	guanosine 5'-triphosphate
GTPase	guanosine 5'-triphosphatase
<i>H</i> test	Kruskal-Wallis II test
Hb	hemoglobin
HbCO	carbon monoxide hemoglobin
HbO ₂	oxyhemoglobin
HEPES	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid
HIV	human immunodeficiency virus
HMG	3-hydroxy-3-methylglutaryl
i.a.	intra-arterial (when used with value)
i.c.v.	intracerebroventricular (when used with value)
i.d.	inside diameter (when used with value)
i.m.	intramuscular (when used with value)
i.p.	intrapertoneal (when used with value)
i.t.	intrathecal (when used with value)
ID ₅₀	median inhibitory concentration
IDP	inosine 5'-diphosphate
Ig	immunoglobulin (also IgG, IgA, etc.)

I_{\max}	maximal current
IMP	inosine 5'-monophosphate
IR	infrared
ITP	inosine 5'-triphosphate
K or k	chemical equilibrium, constant ion concentration
K_{aff}	affinity coefficient
L-	levo (prefix indicating spatial configuration)
<i>l</i> -	levorotatory (polarization to the left)
LD ₅₀	median lethal dose
ln	logarithm (normal or natural)
MES	4-morpholineethanesulfonic acid
m.p.	melting point
metHb	methemoglobin
mol. wt.	molecular weight
mRNA	messenger RNA
N	normal concentration
n	normal configuration
N.S.	not significant
NAD	nicotinamide-adenine dinucleotide
NAD ⁺	nicotinamide-adenine dinucleotide, oxidized form
NADH	nicotinamide-adenine dinucleotide, reduced form
NADP	nicotinamide-adenine dinucleotide phosphate
NADP ⁺	nicotinamide-adenine dinucleotide phosphate, oxidized form
NADPH	nicotinamide-adenine dinucleotide phosphate, reduced form
no.	number (use only in tables)
NTP	nucleotide triphosphate
o.d.	outside diameter
P or p	probability (written $P = 0.05$, $p < 0.05$)
p.o.	<i>per os</i> ; by mouth
pA_2	a kinetic parameter similar to K_i
pACO ₂	arterial CO ₂ pressure
pCa	a way of reporting calcium ion levels; equal to $-\log[\text{Ca}^{2+}]$
pCO ₂	partial CO ₂ pressure in blood or gas
PD ₅₀	median protecting (or paralyzing) dose
<i>Pfu</i>	standard form <i>Pfu</i> is italic and is derived from <i>Pyrococcus furiosus</i>
P _i	inorganic phosphate
pl	isoelectric point
pK	dissociation constant; also written pK^1_a or pK_a
PM	postmeridian (afternoon); 12:00 PM should be referred to as "noon" and 12:00 AM as "midnight" (Do not use military time, e.g., 23:00 hours, etc.)
P _o	open probability
PP _i	inorganic pyrophosphate
ppm	parts per million

psi	pounds per square inch
Q, QRS, Q-T, QT	electrocardiogram wave designates
q.i.d.	<i>quater in die</i> ; four times a day
Q ₁₀	temperature coefficient
<i>r</i>	ratio (correlation coefficient)
RNA	ribonucleic acid
rpm	revolutions per minute
s.c.	subcutaneous
S.D.	standard deviation; mean \pm S.D.
S.E.	standard error; mean \pm S.E.
S.E.M.	standard error of the mean; mean \pm S.E.M.
SDS	sodium dodecyl sulfate
<i>t</i> test	Student's <i>t</i> test or Fisher's <i>t</i> test (<i>t</i> for time)
t.i.d.	<i>ter in die</i> ; three times per day
<i>t</i> _{1/2}	half-time
TD ₅₀	median toxic dose
TDP	ribosylthymine 5'-diphosphate
TEA	tetraethylammonium
TEAE	triethylaminoethyl
TMP	ribosylthymine 5'-monophosphate
TTP	ribosylthymine 5'-triphosphate
Tris	tris(hydroxymethyl)aminomethane
<i>U</i> test	Mann-Whitney U test
UDP	uridine 5'-diphosphate
UDP-Gal	uridine diphosphogalactose
UDP-GalNAc	uridine diphospho <i>N</i> -acetylgalactosamine
UDP-Glc	uridine diphosphoglucose
UDP-GlcNAc	uridine diphospho <i>N</i> -acetylglucosamine
UDP-GlcUA	uridine diphosphoglucuronic acide
UDP-Xyl	uridine diphosphoxylose
UMP	uridine 5'-monophosphate
USP	United States Pharmacopeia
UTP	uridine 5'-triphosphate
UV	ultraviolet
<i>v</i>	velocity
v/v	volume per volume (always in parens)
<i>V</i> _{max} ; <i>V</i> _{min}	velocity, voltage, or volume
W	watt
w/v	weight per volume
wk	week (use only in tables)
wt.	weight
yr	year (use only in tables)