

## AVMA Journals Style Sheet—Standard Abbreviations

The following is a list of abbreviations that may be used without expansion in abstracts, main text, figures and figure legends, appendices, and tables and table titles.

2-D	2-dimensional	hpf	High-power field or high-power fields
3-D	3-dimensional	HU	Hounsfield unit or Hounsfield units
ACTH	Adrenocorticotrophic hormone	ie*	Latin for “that is”
ADP	Adenosine diphosphate		
AMDUCA	Animal Medicinal Drug Use Clarification Act	JAVMA	<i>Journal of the American Veterinary Medical Association</i>
ANCOVA	Analysis of covariance		
ANOVA	Analysis of variance		
APHIS	Animal and Plant Health Inspection Service	kVp	Kilovolt peak
approx*	Approximately		
ATP	Adenosine triphosphate	LD <sub>50</sub>	Median lethal dose
ATPase	Adenosine triphosphatase		
AVMA	American Veterinary Medical Association	MRI§	Magnetic resonance imaging
		mRNA	Messenger ribonucleic acid
BCG	Bacille Calmette-Guerin	m/z	Mass-to-charge ratio
bp‡	Base pairs		
BUN	Blood urea nitrogen	NIH	National Institutes of Health
		NSAID	Nonsteroidal anti-inflammatory drug
cAMP	Cyclic adenosine monophosphate		
CBC	Complete blood count	OR	Odds ratio
CDC	Centers for Disease Control and Prevention		
cDNA	Complementary deoxyribonucleic acid	PAGE	Polyacrylamide gel electrophoresis
CFU‡	Colony-forming unit	PBS	Phosphate-buffered saline
CNS	Central nervous system	PBSS	Phosphate-buffered saline solution
CPR	Cardiopulmonary resuscitation	PCR	Polymerase chain reaction
CSF	Cerebrospinal fluid	PCV	Packed cell volume
CT	Computed tomography or computed tomographic		
		RBC	Red blood cell
		RNA	Ribonucleic acid
DICOM	Digital Imaging and Communications in Medicine	RPMI	Roswell Park Memorial Institute
		rRNA	Ribosomal ribonucleic acid
DNA	Deoxyribonucleic acid		
		SD	Standard deviation
ECG	Electrocardiogram or electrocardiographic	SDS	Sodium dodecyl sulfate
EDTA	Ethylenediaminetetraacetic acid	SE	Standard error
eg*	Latin for “for example”	SEM	Standard error of the mean
ELISA	Enzyme-linked immunosorbent assay	SUN	Serum urea nitrogen
FDA	Food and Drug Administration	TCID <sub>50</sub>	Median tissue culture infective dose
FeLV	Feline leukemia virus	tRNA	Transfer ribonucleic acid
FIV	Feline immunodeficiency virus		
		US†	United States
H&E	Hematoxylin and eosin	USDA	United States Department of Agriculture
Hct	Hematocrit	UV	Ultraviolet
HEPES	N-2-Hydroxyethylpiperazine-N'-2-ethanesulfonic acid		
		WBC	White blood cell
HIV	Human immunodeficiency virus		

\*Use only in parenthetical expressions.

†The abbreviation US may be used without expansion on first mention only when it is used as a modifier and only when it directly precedes the word it modifies. In other instances, *United States* should be used.

‡Abbreviate on first mention in *AJVR* only. In *JAVMA*, expand this term on first mention and abbreviate it subsequently, if the authors desire.

§Although this abbreviation can be an adjective or a noun, it cannot be used to mean *magnetic resonance image*. The term *MRI image* is acceptable.

|| In *AJVR*, PBSS may be used without expansion on first mention, or it may be expanded to *PBS solution* and used as such throughout the report; it is the author's choice. In *JAVMA*, PBSS should be expanded on first mention.

## Divisions of time

Use the following abbreviations for divisions of time in virgule constructions, figures, and tables:

Millisecond	ms
Second	s
Minute	min
Hour	h
Day	d
Week	wk
Month	mo
Year	y

Exceptions: a division of time appearing in a table column heading should be spelled out, unless the division is in parentheses. Similarly, a division of time should be spelled out when used in a figure axis label, unless the division is in parentheses. In such parenthetical expressions, the abbreviation should be used.

## Routes of administration

The following commonly used administration routes can be abbreviated on first mention:

ID	Intradermal
IM	Intramuscular
IP	Intraperitoneal
IV	Intravenous
PO	Per os
SC	Subcutaneous