

## JGP Standard Abbreviations

3-D, three dimensional	HEPES, <i>N</i> -2-hydroxyethyl-piperazine- <i>N'</i> -2-ethanesulfonic acid	OD, optical density
A, ampere	HPLC, high-performance liquid chromatography	osM, osmolar
μA, microampere	I, current	osmol, osmole(s)
pA, picoampere	Ig, immunoglobulin	μosmol, microosmole(s)
Å, angstrom ( $10^{-10}$ m)	i-V (and g-V), single-channel current voltage relation	mosmol, milliosmole(s)
Ab, antibody	I-V (and G-V), membrane current-voltage (or conductance-voltage) relation	Pa, Pascal
Ag, antigen	IL, interleukin (e.g., IL-2)	kPa, kiloPascal
ANOVA, analysis of variance	IU, international unit	PAGE, polyacrylamide gel electrophoresis
atm, atmosphere	J, Joule	PBS, phosphate-buffered saline
ATP, adenosine triphosphate (also ADP, AMP, CTP, UDP, etc.)	kJ, kiloJoule	PCR, polymerase chain reaction
bp, basepair	°K, degree kelvin	PG, prostaglandin
Bq, Becquerel	kb, kilobase	P <sub>i</sub> , inorganic orthophosphate
BSA, bovine serum albumin	kcal, kilocalorie(s)	pI, isoelectric point
C, coulomb	<i>k<sub>B</sub></i> , Boltzmann constant	PIPES, piperazine- <i>N,N'</i> -bis(2-ethanesulfonic acid)
μC, microcoulombs	<i>K<sub>d</sub></i> , dissociation constant	PKA, protein kinase A (also PKC, PKG)
°C, degree Celsius	<i>K<sub>i</sub></i> , inhibition constant	PLA <sub>2</sub> , phospholipase A <sub>2</sub> (also PLC)
cAMP, cyclic AMP (also cGMP)	<i>K<sub>m</sub></i> , Michaelis constant	PMA, phorbol myristate acetate
cDNA, complementary DNA	LD <sub>50</sub> , 50% lethal dose	PMSF, phenylmethylsulfonyl fluoride
Ci, curie(s)	m, meter	<i>r</i> , correlation coefficient
mCi, millicurie(s)	cm <sup>3</sup> (not cc), cubic centimeter(s)	R, gas constant
μCi, microcurie(s)	μm or 10 <sup>-6</sup> m (not μ) micrometer(s)	R <sub>p</sub> , retardation factor
CFTR, cystic fibrosis transmembrane conductance regulator	M, Molar	RFLP, restriction fragment length polymorphism
CICR, Ca <sup>2+</sup> -induced Ca <sup>2+</sup> release	mAb, monoclonal antibody	RIA, radioimmunoassay
Cm, membrane capacitance	MEM, minimum essential medium	RNA, ribonucleic acid
CNG, cyclic nucleotide-gated	Mes, 2-( <i>N</i> -morpholino) ethanesulfonic acid	mRNA, messenger RNA
cpm, counts per minute	μeq, microequivalent(s)	tRNA, transfer RNA
D, dalton	meq, milliequivalent(s)	rpm, revolutions per minute
kD, kilodalton	MHC, major histocompatibility complex	RYR, ryanodine receptor
d, day	min, minute(s)	s, second(s)
dpm, disintegrations per minute	ml, milliliter (but liter)	SD, standard deviation
diam, diameter	μl, microliter	SDS, sodium dodecyl sulfate
DMSO, dimethylsulfoxide	mm Hg, millimeters of mercury	SEM, standard error of the mean
DNA, deoxyribonucleic acid	mol, mole	sp act, specific activity
ED <sub>50</sub> , 50% effective dose	mol wt, molecular weight	SR, sarcoplasmic reticulum
EDTA, ethylenediaminetetraacetic acid	MOPS, morpholino propane sulfonic acid	T, temperature in degrees Kelvin
EGTA, ethyleneglycol-bis(β-aminoethyl ether)- <i>N,N,N',N'</i> -tetraacetic acid	<i>M<sub>r</sub></i> , relative molecular mass	<i>t</i> test, Student's <i>t</i> test
ELISA, enzyme-linked immunosorbent assay	<i>n</i> , number in study or group	<i>t</i> <sub>1/2</sub> , half-life, half-time
ER, endoplasmic reticulum	N, normal (concentration of ionizable groups)	TEA, tetraethylammonium
FBS, fetal bovine serum	ND, not determined	TLC, thin-layer chromatography
FCS, fetal calf serum	NMDG (and/or NMDA), <i>N</i> -methyl-D-glucamine (or -arginine)	Tris, tris (hydroxymethyl) aminomethane
FITC, fluorescein isothiocyanate	No., number	U, unit
FRAP, fluorescence recovery after photobleaching	NS, not significant	UV, ultraviolet
g, gram		V, volt
kg, kilogram		mV, millivolt
g, unit of gravity		V <sub>max</sub> , maximum velocity
G, conductance		vol, volume
h, hour		W, watt(s) (voltampere)
		wk, week
		wt, weight