

TABLE I

## (1) Prefixes to the names of units

tera	$10^{12}$	T	milli	$10^{-3}$	m
giga	$10^9$	G	micro	$10^{-6}$	$\mu$
mega	$10^6$	M	nano	$10^{-9}$	n
kilo	$10^3$	k	pico	$10^{-12}$	p
deci	$10^{-1}$	deci (not d)	femto	$10^{-15}$	f
centi	$10^{-2}$	c <sup>1)</sup>	atto	$10^{-18}$	a

(2) Units of Concentration<sup>2)</sup>

molar (moles/liter)	M
millimolar (millimoles/liter)	mM (not $10^{-3}$ M)
micromolar (micromoles/liter)	$\mu$ M (or $10^{-6}$ M)
nanomolar (nanomoles/liter)	nM (or $\times 10^{-9}$ M)
picomolar (picomoles/liter)	pM (or $\times 10^{-12}$ M)

## (3) Units of Length

meter	m
centimeter	cm
millimeter	mm
micrometer (not micron)	$\mu$ m (not $\mu$ )
nanometer	nm (not $\mu$ )
ångström (0.1 nm)	Å

## (4) Units of Area and Volume

square centimeter	cm <sup>2</sup>
cubic centimeter	cm <sup>3</sup>
liter	l (in tables only)
milliliter	ml
microliter	$\mu$ l (not $\lambda$ )

## (5) Units of Mass

gram	g (kg, mg, $\mu$ g [not $\gamma$ ], ng, pg)
dalton <sup>3)</sup>	Da

(6) Units of Time

year	yr
month	mo
week	wk
day	d
hour	h
minute	min
second	s

(7) Units of Radioactivity

becquerel	Bq (=1 dps or 60 dpm)
counts per minute	cpm
curie(s)	Ci (=3.7×10 <sup>10</sup> Bq)
disintegrations per minute	dpm

(8) Other Units

Mole	mol (mmol, μmol, nmol, pmol)
degree Celsius	°C
degree absolute (kelvin)	K
joule	J
kilojoule	kJ
calorie	cal
kilocalorie	kcal
parts per billion	ppb
parts per million	ppm
cycles per second (hertz)	Hz (not cps)
equivalent	eq
ampere	A (mA)
ohm	Ω
volt	V
gauss	G
pascal	Pa
revolutions per minute	rpm
Svedberg unit of sedimentation coefficient (10 <sup>-13</sup> s)	S

### (9) Physical and Chemical Quantities

absorbance	$A$
equilibrium constant	$K$
rate constant	$k$
maximum velocity	$V_{\max}$
Michaelis constant	$K_m$
equilibrium dissociation constant	$K_d$
isoelectric point	pI
molecular weight <sup>3)</sup>	$M_r$
retardation factor	$R_f$
acceleration of gravity	$g$
specific rotation	$[\alpha]_{\lambda}^t$
partial specific volume	$v$
diffusion constant	$D$
sedimentation coefficient	$s$
density	$\rho$
sedimentation coefficient in water at 20°C, extrapolated to zero concentration	$s^{0}_{20,w}$
Gibbs energy change	$\Delta G$
entropy change	$\Delta S$
enthalpy change	$\Delta H$
melting temperature	$T_m$

### (10) Other Terms

logarithm	log
logarithm (natural)	ln
standard deviation of a series	SD
standard error of mean of series	SE

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<sup>1)</sup> to be avoided where possible (except for cm).

<sup>2)</sup> Terms such as milligram percent (mg%) should not be used. Weight concentrations should be given as g/ml, g/100 ml, *etc.*

<sup>3)</sup> Molecular weight is dimensionless. Only molecular mass is expressed by daltons.