

ABBREVIATIONS

Absorbance	A	Enzyme-linked immunosorbent assay	ELISA	Lux	lx
Ad libitum	ad lib.	Enzyme-multiplied immunoassay technique	EMIT	Magnetomotive force	m.m.f.
Adsorptive stripping voltammetry	AdSV	Enzyme immunoassay	EIA	Mass spectrometry	MS
Alternating current	a.c.	Erg(s)	erg(s)	Mass-selective detector	MSD
Ampere	A	European Pharmacopeia	Ph. Eur.	Mass spectrometry/ Mass spectrometry or Tandem mass spectrometry	MS/MS
Analysis of variance	ANOVA	Evaporative light scattering	ELS	Matrix-assisted laser desorption ionisation	MALDI
Ångström	Å	Factorial design	FD	Melting point	m.p.
Arbitrary unit(s)	A.U.	Fast-atom bombardment	FAB	Mercury-drop-electrode	MDE
Artificial neural network	ANN	Flame-ionization detection	FID	Metre	m
Atmosphere	atm	Flow-injection analysis	FIA	Micellar electrokinetic chromatography	MEKC
Atmospheric-pressure chemical ionization	APCI	Fluorescence polarization immunoassay	FPIA	Microemulsion electrokinetic chromatography	MEEKC
Atomic absorption spectroscopy	AAS	Food and Drug Administration	FDA	Millilitre	ml
Atomic emission spectroscopy	AES	Fourier transform	FT	Millimolar concentration	mM
Atomic weight	at. wt	Fractional factorial design	FFD	Milliequivalent	mEq
Audio frequency	a.f.	Freezing point	f.p.	Minute(s)	min
Biological oxygen demand	BOD	Full scan	FS	Molar concentration	M
Boiling point	b.p.	Gas chromatography	GC	Mole	mol
Bovine serum albumin	BSA	Gas-liquid chromatography	GC or GLC	Molecularly imprinted polymer	MIP
Calorie	cal	Gauss	G	Multiple-ion monitoring	MM
Candela	cd	Good laboratory practice	GLP	Near-infrared	NIR
Capillary electrochromatography	CEC	Good manufacturing practice	GMP	Negative chemical ionization	NCI
Capillary electrophoresis	CE	Gram	g	Neural network	NN
Capillary-zone electrophoresis	CZE	Graphite furnace	GF	Newton	N
Centimetre	cm	Gravitational acceleration	g	Nuclear Overhauser effect	NOE
Central composite design	CCD	Hanging-mercury-drop-electrode	HMDE	Normal concentration	N
Centre of gravity	cg.	Henry	H	Normal phase	NP
Chemical ionization	CI	Hertz	Hz	Nuclear magnetic resonance	NMR
Chemical reference substance	CRS	High-frequency	h.f.	Ohm	Ω
Chiral stationary phase	CSP	High-performance liquid chromatography	LC or HPLC	One-variable-at-a-time	OVAT
Circa	ca	High-performance thin-layer chromatography	HPTLC	Optical rotatory dispersion	ORD
Circular dichroism	CD	Hour(s)	h	Organic volatile impurity	OVI
Company	Co.	Human immunodeficiency virus	HIV	Osmolar	OsM
Corporation	Corp.	Human serum albumin	HSA	Outside diameter	o.d.
Correlation coefficient	r	Hydrophilic interaction chromatography	HILIC	Overpressured layer chromatography	OPLC
Coulomb	C	Hydrophobic interaction chromatography	HIC	Partial least-squares	PLS
Counts per minute	cpm	Inductively coupled plasma	ICP	Particle induced X-ray emission	PIXE
Counts per second	cps	Infrared	IR	Parts per billion	ppb
Cross-validation (-validated)	cv	Intermediate frequency	i.f.	Parts per million	ppm
Cubic centimetre	cm ³	Internal diameter	i.d.	Parts per trillion	ppt
Cubic metre	m ³	International unit	I.U.	Pascal	Pa
Curie	Ci	International Conference on Harmonization	ICH	Phosphate-buffered saline	PBS
Cycles per second	cs ⁻¹	International Organization for Standardization	ISO	Picofarad	PF
Cyclodextrin	CyD	Ion exchange chromatography	IEC	Positive chemical ionization	PCI
Dalton	Da	Ion pair	IP	Polyacrylamide	gel
Day(s)	d	Ion-selective electrode	ISE	electrophoresis	PAGE
Debye unit	D	Isoelectric focusing	IEF	Pound(s)	lb
Decibel	dB	Isotachopheresis	ITP	Principal component analysis	PCA
Degrees		Japanese Pharmacopoeia	JP	Probability	P
Celsius	°C	Joule	J	Proton magnetic resonance	¹ H-NMR
Centigrade	°C	Kilogram	kg	Quality assurance	QA
Kelvin	K	Kilowatt-hour	kWh	Quality control	QC
Degree (temperature difference)	deg.	Least squares regression	LS	Quantitative structure-activity relationship	QSAR
Degrees of freedom	df	Limit of detection	LOD	Radian	rad
Differential pulse	DP	Limit of quantitation	LOQ	Radioimmunoassay	RIA
Differential pulse polarography	DPP	Litre	l	Radio-frequency	r.f.
Differential scanning calorimetry	DSC	Liquid chromatography	LC	Relative humidity	r.h.
Diode-array detection	DAD	Liquid secondary-ion mass spectrometry	LSIMS	Relative standard deviation	RSD
Direct current	d.c.	Logarithm	log	Response surface methodology	RSM
Disintegrations per minute	dpm	Logarithm (natural)	ln	Reversed-phase	RP
Disintegrations per second	dps	Lower limit of quantitation	LLOQ	Revolutions per minute	rpm
Dyne	dyn	Lumen	lm	Root mean square	r.m.s.
Electromagnetic unit	e.m.u.	Luminescence immunoassay	LIA	Saturated calomel electrode	SCE
Electromagnetic force	e.m.f.			Second(s)	s
Electron Impact	EI			Scanning-electron microscopy	SEM
Electron paramagnetic resonance	EPR			Selected ion monitoring, not single-ion monitoring	SIM
Electron spin resonance	ESR				
Electron volt	eV				
Electron capture detector	ECD				
Electron ionisation	EI				
Electrospray ionization	ESI				
Enantiomeric excess	ee				

Guide for Authors

Selected reaction monitoring	SRM	Supercritical-fluid extraction	SFE	United States Pharmacopeia	USP
Sequential Injection Analysis	SIA	Surface plasmon resonance	SPR	U.S. adopted names	USAN
Siemens	S	Thermodynamic temperature	<i>T</i>	U.S. Code of Federal Regulations	CFR
Single-ion monitoring	SIM	Thermogravimetric analysis	TGA	Versus	vs
Size-exclusion chromatography	SEC	Thermospray ionization	TSP	Volt	V
Sodium dodecyl sulphate	SDS	Thin-layer chromatography	TLC	Volt-ampere	VA
Solid-phase extraction	SPE	Time	<i>t</i>	Volt-coulomb	VC
Solid-phase microextraction	SPME	Time-of-flight mass spectrometer	TOF-MS	Volume	vol
Square metre	m ²	Time-resolved fluorescence	TRF	Volume by volume	v/v
Square-wave	SW	Total organic carbon	TOC	Watt	W
Standard deviation	SD	Total ion current	TIC	Watt-hour	Wh
Standard error of the mean	SEM	Total reflection X-ray fluorescence spectrometry	TXRF	Weber	Wb
Standard temperature and pressure	S.T.P.	Ultra high-performance liquid chromatography	UHPLC	Weight	wt
Static headspace	SH	Ultraviolet	UV	Weight by volume	w/v
Stripping voltammetry	SV	Ultraviolet-visible	UV-VIS	Weight by weight	w/w
Supercritical-fluid chromatography	SFC			X-ray powder diffraction	XRPD

PREFIXES

Prefixes to the names of units

Multiplier	Prefix	Symbol
10 ⁻¹	deci	d
10 ⁻²	centi	c
10 ⁻³	milli	<i>m</i>
10 ⁻⁶	micro	μ
10 ⁻⁹	nano	n
10 ⁻¹²	pico	p
10 ⁻¹⁵	emto	f
10 ⁻¹⁸	atto	a
10	deca	da
10 ²	hecto	h
10 ³	kilo	k
10 ⁶	mega	M
10 ⁹	giga	G
10 ¹²	tera	T
10 ¹⁵	peta	P
10 ¹⁸	exa	E