Abbreviations of units

Recommended Units*				
Quantity	**Unit**	**Unit symbol**	**Recommended subunits**	**Units not recommended**
Length	meter	m	mm, µm, nm	cm, µ, u, mµ, Λ
Area	square meter	m^2	mm^2, $µm^2$	cm^2, $µ^2$
Volume	cubic meter liter	m^3 L	dm^3, cm^3, mm^3, $µm^3$ mL, µL, nL, pL, fL	cc, ccm, $µ^3$, u^3, λ, uL, µµL, uuL
Mass	kilogram	kg	g, mg, µg, ng, pg	Kg, gr, γ, ug, mµg, mug, γγ, µµg, uug
Number	dimensionless		10^9, 10^6, 10^3, 10^{-3}	all other factors
Amount of substance	mole	mol	mmol, µmol, nmol	M, eq, val, g-mol, mM, meq, mval, µM, µeq, µval, nM, neq, nval
Mass concentration	kilogram per liter	kg/L	g/L, mg/L, µg/L, ng/L	g/mL, %, g%, %(w/v), g/100 mL, g/dL, ₀/oo, g₀/oo, ₀/oo(w/v), mg%, mg%(w/v), mg/100 mL, mg/dL, ppm, ppm(w/v), µg%, µg%(w/v), µg/100 mL, µg/dL, γ%, ppb, ppb(w/v), µµg/mL, uug/mL
Mass fraction	dimensionless		10^{-3}, 10^{-6}, 10^{-9}, 10^{-12}	kg/kg, g/g, %, %(w/w), g/kg, ₀/oo, ₀/oo(w/w), mg/kg, ppm, ppm(w/w), µg/kg, ppb, ppb(w/w), ng/kg
Volume fraction	dimensionless		10^{-3}, 10^{-6}	L/L, mL/mL, %, %(v/v), vol%, mL/L, ₀/oo, ₀/oo(v/v), µ/L, ppm, ppm(v/v)
Substance concentration	mole per liter	mol/L	mmol/L, µmol/L, nmol/L	M, eq/L, val/L, N, n, mM, meq/L, mval/L, µM, uM, µeq/L, nM, neq/L
Molality	mole per kilogram	mol/kg	mmol/kg, µmol/kg	m, mmol/g, µmol/mg, mm, µm, um
Mole fraction	dimensionless		10^{-3}, 10^{-6}	mol/mol, %, mol%, mmol/mol, ₀/oo, mol ₀/oo, µmol/mol
Number concentration	reciprocal liter	L^{-1} or 1/L	$10^{-3}L^{-1}$, 10^{-3}/L; 10^3L^{-1}, 10^6L^{-1}, 10^9L^{-1}; 10^3L, 10^6L, 10^9L	L/mL, mL^{-1}, L/µL, L/uL, $µL^{-1}$
Rate of conversion	katal; Unit	kat (mol/s); U/L	nkat; mU/L, µU/L	U/dL

*International Union of Pure and Applied Chemistry/International Federation of Clinical Chemistry