



Unit of Measure Conversions

Gram (g)

Unit	Symbol	Equivalent (g)
picogram	pg	1 pg = 10 ⁻¹²
nanogram	ng	1 ng = 10 ⁻⁹
microgram	µg	1 µg = 10 ⁻⁶
milligram	mg	1 mg = 10 ⁻³
kilogram	kg	1 kg = 10 ³

Mole (mol)

Unit	Symbol	Equivalent (mol)
picomole	pmol	1 pmol = 10 ⁻¹²
nanomole	nmol	1 nmol = 10 ⁻⁹
micromole	µmol	1 µmol = 10 ⁻⁶
millimole	mmol	1 mmol = 10 ⁻³

Liter (l or L)

Unit	Symbol	Equivalent (L)
nanoliter	nL	1 nL = 10 ⁻⁹
microliter	µL	1 µL = 10 ⁻⁶
milliliter	mL	1 mL = 10 ⁻³

Curie (Ci)

Unit	Symbol	Equivalent
curie	Ci	1 Ci = 2.22 x 10 ¹² dpm
microcurie	µCi	1 µCi = 10 ⁻⁶ Ci
millicurie	mCi	1 mCi = 10 ⁻³ Ci

Note: cpm = dpm x % efficiency

Reference: Efiok, B.J.S. (1993) "Basic Calculations for Chemical and Biological Analysis", AOAC International.