

CONVERSION FACTORS, SELECTED TERMS AND SYMBOLS, CHEMICAL SYMBOLS AND FORMULAS, AND OTHER ABBREVIATIONS

CONVERSION FACTORS

Multiply	By	To obtain
millimeter (mm)	0.03937	inch
centimeter (cm)	0.3937	inch
cm ²	0.155	square inch
meter (m)	3.281	foot
micrometer (μm)	3.3 x 10 ⁻⁶	foot
nanometer (nm)	3.93 x 10 ⁻⁸	inch
liter (L)	0.264	gallon
milliliter (mL)	0.0338	ounce, fluid
gram (g)	0.03527	ounce, avoirdupois
microgram (μg)	3.52 x 10 ⁻⁸	ounce
milligram (mg)	35.27 x 10 ⁻⁵	ounce, avoirdupois
kilopascal (kPa)	0.1450	pound per square inch

Temperature: Water and air temperature are given in degrees Celsius (°C), which can be converted to degrees Fahrenheit (°F) by use of the following equation:

$$^{\circ}\text{F} = 1.8 (^{\circ}\text{C}) + 32$$

SELECTED TERMS AND SYMBOLS

foot: ft

greater than: >

less than: <

micrometer (μm): The millionth part of the meter—the pore diameter of filter media is given in micrometer units.

NA-MUG: nutrient agar-4-methylumbelliferyl- β -D-glucuronide

normality, *N* (equivalents/L): The number of equivalents of acid, base, or redox-active species per liter of solution. Examples: a solution that is 0.01 *F* in HCl is 0.01 *N* in H^+ . A solution that is 0.01 *F* in H_2SO_4 is 0.02 *N* in acid.

plus or minus: \pm

CHEMICAL SYMBOLS AND FORMULAS

CaCl_2	calcium chloride
Cu	copper
EDTA	ethylenediaminetetraacetic acid
EIA	esculin substrate
ETFE	ethylenetetrafluoroethylene
FeCl_3	ferric chloride
FEP	fluorinated ethylene propylene
H_2SO_4	sulfuric acid
K_2HPO_4	potassium hydrogen phosphate
KH_2PO_4	potassium dihydrogen phosphate
MgSO_4	magnesium sulfate
Na_2SO_3	sodium sulfite
$\text{Na}_2\text{S}_2\text{O}_3$	sodium thiosulfate
NaHPO_4	sodium phosphate
NaOH	sodium hydroxide
NA-MUG	nutrient agar-4-methylumbelliferyl- β -D-glucuronide
Ni	nickel
NH_4Cl	ammonium chloride
PFA	perfluoroalkoxy polymers
PTFE	polytetrafluoroethylene polymers (“Teflon”)
TCMP	2-chloro-6-(trichloro methyl) pyridine
TTC	triphenyltetrazolium chloride
Zn	zinc

ABBREVIATIONS

BOD	biochemical oxygen demand
BOD ₅	biochemical oxygen demand (5 days)
CBOD	carbonaceous biochemical oxygen demand
CBOD _u	ultimate carbonaceous biochemical oxygen demand
col/100mL	colonies per 100 milliliters
DO	dissolved oxygen
<i>E. coli</i>	<i>Escherichia coli</i>
EDI	equal-discharge increment
EWI	equal-width increment
KF	streptococcus medium
m-E	membrane filter—Enterococci medium
m-Endo	membrane filter—total coliform medium
MF	Membrane Filter technique
m-FC	membrane filter—Fecal Coliform medium
MPN	most probable number
m-TEC	membrane filter—Thermotolerant <i>E. coli</i> media
N	normal
NFM	National Field Manual
QWSU	Quality of Water Service Unit, USGS, Ocala, Florida
TD	to deliver
TNTC	too numerous to count
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey

