

CHEMICAL ABBREVIATION KEY

ABBREVIATION	CHEMICAL NAME	HAZARDS
BPB	Bromophenol blue	Harmful
CaCl ₂	Calcium chloride	Irritant
CAPS	3-(Cyclohexylamino)-1-propanesulfonic acid	Irritant
CsCl	Cesium chloride	Irritant
destain	Methanol,acetic acid,H ₂ O	Flammable, Corrosive - acid
DI H ₂ O	Deionized water	
DCM	Dichloromethane (Methylene Chloride)	Toxic
DMF	N,N-dimethylformamide	Flammable, Toxic
DMSO	Dimethyl sulfoxide	Combustible
EDTA	Ethylenediaminetetraacetic acid	Irritant
EtBr	Ethidium bromide	Mutagen
EtOH	Ethanol	Flammable
FeCl ₃	Iron(III) chloride	Corrosive - acid
FeSO ₄	Iron(II) sulfate	Toxic
H ₂ O	Water	
HCl	Hydrochloric acid	Corrosive - acid
HEPES	N-(2-Hydroxyethyl)piperazine N'-(2-ethanesulfonic acid)	Harmful
HNO ₃	Nitric acid	Corrosive - acid
KAc	Potassium acetate	Irritant
KCl	Potassium chloride	Irritant
K ₂ H PO ₄	Potassium phosphate dibasic	Harmful
KH ₂ PO ₄	Potassium phosphate monobasic	Harmful
KOH	Potassium hydroxide	Corrosive - base
LiCl	Lithium chloride	Harmful
MeOH	Methanol	Flammable

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Mg(Ac) ₂	Magnesium acetate	Irritant
MgCl ₂	Magnesium chloride	Harmful
MgSO ₄	Magnesium sulfate	Irritant
MOPS	3-(N-morpholino) propanesulfonic acid	Irritant
MQ-H ₂ O	Milli-Q water	
Na ₂ HPO ₄	Sodium phosphate dibasic	Irritant
NaCl	Sodium chloride	Irritant
NaH ₂ PO ₄	Sodium phosphate monobasic	Irritant
NaN ₃	Sodium azide	Toxic
NaNO ₃	Sodium nitrate	Oxidizer
NaOAc	Sodium acetate	Irritant
NaOH	Sodium hydroxide	Corrosive - base
NH ₄ OAc	Ammonium acetate	Irritant
PBS	Phosphate buffered saline	
PEG	Polyethylene glycol	
PIPES	Piperazine-N,N'-bis(2-ethanesulfonic acid)	Harmful
SDS	Sodium dodecyl sulfate	Harmful
TAE	Tris/acetate/ EDTA	Irritant
TBE	Tris/borate/EDTA	Irritant
TBS	Tris buffered saline	Irritant
TCA	Trichloroacetic acid	Flammable, Corrosive - acid
TEMED	N,N,N',N'-tetramethylethylenediamine	Combustible, Corrosive - base
THF	Tetrahydrofuran	Flammable
TMAH	Tetramethylammonium hydroxide	Corrosive – base
Tris	Tris-(hydroxymethyl) aminomethane	Harmful

