

# GuideSheet

## Chemical Abbreviations and Formulas

**C**learly label all containers with content name. Write out the complete chemical and/or biological name or use abbreviations (useful for small containers). If abbreviations are used, display this guide sheet prominently at several locations in each lab. Extend the list with lab-specific abbreviations, as necessary.

Full Name	Abbr./Form.	Full Name	Abbr./Form.	Full Name	Abbr./Form.
Acetic acid	AcOH	Fetal bovine serum	FBS	Potassium chloride	KCl
Acetic anhydride	Ac <sub>2</sub> O	Formic acid or Formamide	FA	Potassium hydroxide	KOH
Acetonitrile	ACN/CH <sub>3</sub> CN	Guanidine hydrochloride	GuHCl	Potassium permanganate	KMnO <sub>4</sub>
Ammonium bicarbonate	NH <sub>4</sub> HCO <sub>3</sub>	Hexane	Hex/Hx	p-Toluenesulfonic acid	TsOH
Ammonium chloride	NH <sub>4</sub> Cl	Hydrogen fluoride/ Hydrofluoric acid	HF	Sodium acetate	NaOAc
Ammonium hydroxide	NH <sub>4</sub> OH	Hydrogen chloride/ Hydrochloric acid	HCl	Sodium azide	NaN <sub>3</sub>
Ammonium persulfate	APS	Hydrogen peroxide	H <sub>2</sub> O <sub>2</sub>	Sodium bicarbonate	NaHCO <sub>3</sub>
Ammonium sulfate	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Isopropyl alcohol	IPA	Sodium carbonate	Na <sub>2</sub> CO <sub>3</sub>
Buckminsterfullerene	C <sub>60</sub>	Magnesium chloride	MgCl <sub>2</sub>	Sodium chloride	NaCl
Calcium chloride	CaCl <sub>2</sub>	Magnesium sulfate	MgSO <sub>4</sub>	Sodium tetraborate (Borax)	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>
Chloroform	CHCl <sub>3</sub>	Manganese chloride	MnCl <sub>2</sub>	Sodium hydroxide	NaOH
Copper sulfate	CuSO <sub>4</sub>	β-mercaptoethanol	β-ME	Sodium phosphate	NaH <sub>2</sub> PO <sub>4</sub>
Deionized water	diH <sub>2</sub> O	Methanol	MeOH	Sulfuric acid	H <sub>2</sub> SO <sub>4</sub>
Dichloromethane	DCM	Methyl methacrylate	MMA	Tetrahydrofuran	THF
Diethyl ether	Et <sub>2</sub> O	N,N-Diisopropylethylamine	DIPEA	Trichloroacetic acid	TCA
Diethyl pyrocarbonate	DEPC	Nickel chloride	NiCl <sub>2</sub>	Triethanolamine	TEA
Diethylaminoethyl	DEAE	Nickel sulfate	NiSO <sub>4</sub>	Trifluoroacetic acid	TFA
Dimethyl formamide	DMF	Nitric acid	HNO <sub>3</sub>	Zinc chloride	ZnCl <sub>2</sub>
Dimethyl sulfoxide	DMSO	N-Methyl-2-pyrrolidone	NMP		
Disodium phosphate	Na <sub>2</sub> HPO <sub>4</sub>	Paraformaldehyde	PFA		
Distilled deionized water	ddH <sub>2</sub> O	Phenylmethylsulfonyl fluoride	PMSF		
Distilled water	dH <sub>2</sub> O; DI	N-Phenylthiourea	PTU		
Dithiothreitol	DTT	Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>		
Ethanol	EtOH	Polyethylene glycol	PEG		
Ethidium bromide	EtBr	Poly(Methyl methacrylate)	PMMA		
Ethyl acetate	EA	Potassium carbonate	K <sub>2</sub> CO <sub>3</sub>		

