

Chemical Name	Which Tube To Use		Notes
Acetaldehyde			
Acetic acid Glacial			
Acetic anhydride			
Acetone			
Acetone cyanohydrin			
Acetonitrile			
Acetyl chloride			
Acetylene gas			
Acrylonitrile			
Adipic acid			
Alcohol			
Alkyl benzene			
Alkyl-arylsulphonic acid			
Alumina trihydrate			Do not use
Aluminum acetate			Do not use
Aluminum chloride			
Aluminum nitrate			
Aluminum potassium sulfate			
Aluminum sulfate			
Amines mixed			Reduced life
Ammonia Gas cold			
Ammonium acetate			
Ammonium bicarbonate			
Ammonium bromide			
Ammonium carbonate			
Ammonium chloride			
Ammonium hydroxide			
Ammonium nitrate			
Ammonium phosphate			
Ammonium stearate			
Ammonium sulfate			
Ammonium thiocyanate			
Amyl acetate			Reduced life
Amyl alcohol			
Amyl nitrate			
Aniline			
Aniline hydrochloride			
Anti-freeze glycol based			
Aqua regia			
Argon gas			
Arsenic acid			
Barium chloride			
Barium hydroxide			
Barium nitrate			
Benzaldehyde			
Benzene			
Benzenesulfonic acid			
Benzochloride			
Benzoic acid			
Benzotrifluoride			Do not use
Bleach solutions			
Boric acid			
Boron trichloride			
Bromine			Contact with the BLUE tube will cause severe degradation

Chemical Name	Which Tube To Use		Notes
Bromo trifluoride			Do not use
Bromobenzene			
Butadiene			
Butane			
Butyl acetate			Reduced life
Butyl alcohol			
Butyl ether			Reduced life
Butylamine			Reduced life
Butylene			
Butylene glycol			
Butyllithium solution 1.6M in hexanes (BuLi)			Contact with the BLUE tube will cause severe degradation
Butyric acid			
Calcium acetate			
Calcium carbonate			
Calcium chlorate			
Calcium cyanide			
Calcium hydrogen sulfite			
Calcium hydrosulfide			
Calcium hydroxide aqueous			
Calcium hypochlorite			
Calcium magnesium chloride			
Calcium nitrate			
Calcium phosphate			
Calcium sulfate aqueous			
Carbamate			
Carbon dioxide			
Carbon disulfide			
Carbon monoxide			
Carbon tetrachloride			
Carbonic acid			
Chloric acid			
Chlorinated solvents			
Chlorine			
Chlorine dioxide			
Chloroacetic acid			Reduced life
Chloroacetone			Reduced life
Chlorobenzene			
Chloroform			
Chlorosulfonic acid			
Chromic acid			
Chromic oxide			
Chromium potassium sulfate			
Citric acid			
Cod-liver oil			
Copper acetate			Do not use
Copper ammonium acetate			Do not use
Copper chloride			
Copper cyanide			
Copper nitrate			
Copper sulfate			
Corn oil			
Cottonseed oil			
Crude oil			
Cumene			

Chemical Name	Which Tube To Use		Notes
Cyanogen			
Cyclohexane			
Decahydronaphthalene			
Diacetone alcohol			
Diallyl phthalate			
Dibromoethyl benzene			
Dibutyl Cellosolve adipate			
Dibutyl phthalate			
Dibutylamine			Reduced life
Dichlorobenzene			
Dichloromethane (DCM)			
Dichlorosiloxane (DCS)			
Diethanolamine			
Diethyl carbonate			
Diethyl phthalate			
Diethylamine			Reduced life
Diethylene glycol			
Diethylenetriamine			
Diisobutyl ketone			
Diisobutylaluminium hydride (DIBAL)			
Dimethyl phthalate			
Dimethyl sulfoxide (DMSO)			
Dimethyl terephthalate			
Dimethylamine			
Dimethylformamide (DMF)			
Dinitrochlorobenzene			
Diethyl phthalate			
Diphenyl			
Epichlorohydrin			
Ethane			
Ethanethiol			
Ethanol			
Ethanolamine			
Ethyl acetate			
Ethyl alcohol			
Ethyl ether			Reduced life
Ethyl formate			
Ethylamine			Reduced life
Ethylbenzene			
Ethylene			
Ethylene dibromide			
Ethylene dichloride			
Ethylene glycol			
Ethylene oxide			Reduced life
Fatty acids			
Ferric sulfate aqueous			
Ferrous sulfate aqueous			
Fluorine gas			Reduced life
Fluosilicic acid			
Formaldehyde			
Formic acid			
Freon 11			Reduced life
Freon 113			Do not use
Freon 114			Reduced life

Chemical Name	Which Tube To Use		Notes
Freon 12			Do not use
Freon 22			Do not use
Freon 502			Do not use
Fumaric acid			
Furfural			Reduced life
Gasoline			
Glacial acetic acid			
Glucose			
Glycerol			
Glycine			
Helium			
Heptane			
Hexyl alcohol			
Hydrazine			
Hydrochloric <10% v / v			
Hydrochloric acid Concentrated			
Hydrocyanic acid			
Hydrofluoric acid			Do not use
Hydrogen chloride gas dry			
Hydrogen fluoride anhydrous			Do not use
Hydrogen gas			
Hydrogen peroxide			
Hydrogen sulfide			
Hypochlorous acid			
Isobutane			
Isopropyl acetate			Reduced life
Isopropyl alcohol			
Isopropyl ether			Reduced life
Kerosene			
Lactic acid			
Ligroin			
Linoleic acid			
Linseed oil			
Liquefied petroleum gas			
Magnesium chloride			
Magnesium hydroxide			
Magnesium sulfate			
Maleic acid			
Maleic anhydride			
Malic acid			
Manganous chloride			
Melamine resin			
Mercuric chloride			
Mesityl oxide			
Methane			
Methyl acetate			Reduced life
Methyl alcohol (Methanol)			
Methyl benzoate			
Methyl bromide			
Methyl chloride			
Methyl ethyl ketone (MEK)			
Methyl formate			
Methyl isobutyl ketone			Reduced life
Methyl methacrylate			

Chemical Name	Which Tube To Use		Notes
Methyl propionate			
Methyl tertiary butyl ether			Reduced life
Methylene bromide			Reduced life
Methylene chloride			
Naphthalene			
Natural gas sour			
n-Hexane			
Nickel chloride			
Nickel sulfate			
Nitric acid < 10%			
Nitric acid concentrated			Contact with the BLUE tube will cause severe degradation
Nitrobenzene			
Nitrogen gas			
Nitromethane			
n-Methyl-2-pyrrolidone (NMP)			
Oleic acid			
Oxalic acid			
Oxygen gas			
Ozone gas			
Palm oil			
Palmitic acid			
Pentane			
Peptide coupling reagents			
Perchloric acid			
Perchloroethylene			
Phenol 10%			
Phenylacetic acid			
Phosphoric acid concentrated			
Phosphoric acid diluted			
Phthalic anhydride			
Picoline alpha			
Picric acid H2O solution			
Polyethylene glycol			
Polypropylene slurry			
Polyvinyl acetate emulsion			
Polyvinyl alcohol			
Potassium bromide			
Potassium carbonate			
Potassium chlorate			
Potassium chloride			
Potassium cyanide			
Potassium dichromate			
Potassium hydroxide diluted			
Potassium hydroxide concentrated			Reduced life
Potassium nitrate			
Potassium permanganate			
Potassium phosphate			
Potassium sulfate			
Propane			
Propionic acid cold			
Propyl acetate			Reduced life
Propyl alcohol			
Propylene			
Propylene oxide			Reduced life

Chemical Name	Which Tube To Use		Notes
Pyridine	Blue	Red	
Silver nitrate	Blue	Red	
Sodium acetate (2M)	Blue	Red	
Sodium bicarbonate	Blue	Red	
Sodium bisulfate	Blue	Red	
Sodium cyanide aqueous	Blue	Red	
Sodium dichromate	Blue	Red	
Sodium dithionite	Blue	Red	
Sodium hydroxide diluted	Blue	Red	
Sodium hypochlorite 20%	Blue	Red	
Sodium nitrate	Blue	Red	
Sodium peroxide	Blue	Red	
Sodium phosphate	Blue	Red	
Sodium silicate	Blue	Red	
Sodium sulfate	Blue	Red	
Sodium sulfide	Blue	Red	
Sodium sulfite	Blue	Red	
Sodium thiocyanate	Blue	Red	
Sodium thiosulfate	Blue	Red	
Stearic acid	Blue	Red	
Styrene	Blue	Red	
Sulfur chloride	Blue	Red	
Sulfur Dioxide Dry	Blue	Red	
Sulfur dioxide Wet	Blue	Red	
Sulfur In water	Blue	Red	
Sulfur molten	Blue	Red	
Sulfuric acid Concentrated	Red	Red	
Sulfuric acid <10% v / v	Red	Red	
Tallow	Blue	Red	
Tartaric acid aqueous	Blue	Red	
Terephthalic acid	Blue	Red	
Tetrachloroethane	Red	Red	
Tetrahydrofuran (THF)	Blue	Red	
Thiols	Blue	Red	
Thionyl chloride	Red	Red	
Titanium dioxide	Blue	Red	
Titanium tetrachloride	Red	Red	
Toluene	Blue	Red	
Trichloroethane	Red	Red	
Trichloroethylene	Red	Red	
Tricresyl phosphate	Blue	Red	
Triethanolamine	Blue	Red	
Triethylamine	Blue	Blue	Reduced life
Trifluoroacetic acid (TFA)	Blue	Red	
Urea	Blue	Red	
Urea-formaldehyde resin	Blue	Red	
Vinyl acetate	Blue	Blue	Reduced life
Vinyl chloride	Red	Red	
Vinylidene chloride	Red	Red	
Water	Blue	Red	
Xylene	Blue	Red	
Zinc chloride	Blue	Red	
Zinc nitrate	Blue	Red	
Zinc sulfate	Blue	Red	