

Chemical Name	Which Tube To Use		Notes
Acetaldehyde	Blue	Blue	
Acetic acid Glacial	Blue	Blue	
Acetic anhydride	Blue	Blue	
Acetone	Blue	Blue	
Acetone cyanohydrin	Blue	Blue	
Acetonitrile	Blue	Blue	
Acetyl chloride	Blue	Red	
Acetylene gas	Blue	Red	
Acrylonitrile	Blue	Blue	
Adipic acid	Blue	Red	
Alcohol	Blue	Red	
Alkyl benzene	Blue	Red	
Alkyl-arylsulphonic acid	Blue	Blue	
Alumina trihydrate	Grey	Grey	Do not use
Aluminum acetate	Grey	Grey	Do not use
Aluminum chloride	Red	Red	
Aluminum nitrate	Red	Red	
Aluminum potassium sulfate	Red	Red	
Aluminum sulfate	Red	Red	
Amines mixed	Dark Blue	Dark Blue	Reduced life
Ammonia Gas cold	Blue	Blue	
Ammonium acetate	Blue	Blue	
Ammonium bicarbonate	Blue	Blue	
Ammonium bromide	Blue	Blue	
Ammonium carbonate	Blue	Red	
Ammonium chloride	Blue	Red	
Ammonium hydroxide	Blue	Blue	
Ammonium nitrate	Blue	Red	
Ammonium phosphate	Blue	Red	
Ammonium stearate	Blue	Blue	
Ammonium sulfate	Blue	Red	
Ammonium thiocyanate	Blue	Red	
Amyl acetate	Dark Blue	Dark Blue	Reduced life
Amyl alcohol	Blue	Red	
Amyl nitrate	Blue	Blue	
Aniline	Blue	Red	
Aniline hydrochloride	Blue	Red	
Anti-freeze glycol based	Blue	Blue	
Aqua regia	Red	Red	
Argon gas	Blue	Red	
Arsenic acid	Blue	Red	
Barium chloride	Blue	Red	
Barium hydroxide	Blue	Red	
Barium nitrate	Blue	Red	
Benzaldehyde	Blue	Blue	
Benzene	Blue	Red	
Benzenesulfonic acid	Blue	Red	
Benzochloride	Blue	Red	
Benzoic acid	Blue	Red	
Benzotrifluoride	Grey	Grey	Do not use
Bleach solutions	Blue	Red	
Boric acid	Blue	Red	
Boron trichloride	Red	Red	
Bromine	Red	Red	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	Blue	Blue	
Cyclohexane	Red	Red	
Decahydronaphthalene	Blue	Blue	
Diacetone alcohol	Blue	Blue	
Diallyl phthalate	Blue	Red	
Dibromoethyl benzene	Red	Red	
Dibutyl Cellosolve adipate	Blue	Blue	
Dibutyl phthalate	Blue	Blue	
Dibutylamine	Blue	Blue	Reduced life
Dichlorobenzene	Red	Red	
Dichloromethane (DCM)	Blue	Blue	
Dichlorosiloxane (DCS)	Blue	Blue	
Diethanolamine	Blue	Blue	
Diethyl carbonate	Blue	Blue	
Diethyl phthalate	Blue	Red	
Diethylamine	Blue	Blue	Reduced life
Diethylene glycol	Blue	Red	
Diethylenetriamine	Blue	Blue	
Diisobutyl ketone	Blue	Blue	
Diisobutylaluminium hydride (DIBAL)	Red	Red	
Dimethyl phthalate	Blue	Red	
Dimethyl sulfoxide (DMSO)	Blue	Blue	
Dimethyl terephthalate	Blue	Blue	
Dimethylamine	Blue	Blue	
Dimethylformamide (DMF)	Blue	Blue	
Dinitrochlorobenzene	Blue	Blue	
Diocetyl phthalate	Blue	Red	
Diphenyl	Blue	Red	
Epichlorohydrin	Blue	Blue	
Ethane	Blue	Red	
Ethanethiol	Blue	Red	
Ethanol	Blue	Red	
Ethanolamine	Blue	Blue	
Ethyl acetate	Blue	Blue	
Ethyl alcohol	Blue	Red	
Ethyl ether	Blue	Blue	Reduced life
Ethyl formate	Blue	Red	
Ethylamine	Blue	Blue	Reduced life
Ethylbenzene	Blue	Red	
Ethylene	Blue	Red	
Ethylene dibromide	Red	Red	
Ethylene dichloride	Red	Red	
Ethylene glycol	Blue	Red	
Ethylene oxide	Blue	Blue	Reduced life
Fatty acids	Blue	Red	
Ferric sulfate aqueous	Blue	Red	
Ferrous sulfate aqueous	Blue	Red	
Fluorine gas	Red	Red	Reduced life
Fluosilicic acid	Red	Red	
Formaldehyde	Blue	Blue	
Formic acid	Blue	Blue	
Freon 11	Red	Red	Reduced life
Freon 113	Grey	Grey	Do not use
Freon 114	Red	Red	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	Blue	Blue	
Methyl tertiary butyl ether	Blue	Blue	Reduced life
Methylene bromide	Blue	Red	Reduced life
Methylene chloride	Blue	Blue	
Naphthalene	Blue	Red	
Natural gas sour	Red	Red	
n-Hexane	Blue	Red	
Nickel chloride	Blue	Red	
Nickel sulfate	Blue	Red	
Nitric acid < 10%	Red	Red	
Nitric acid concentrated	Red	Red	Contact with the BLUE tube will cause severe degradation
Nitrobenzene	Blue	Red	
Nitrogen gas	Blue	Red	
Nitromethane	Blue	Blue	
n-Methyl-2-pyrrolidone (NMP)	Blue	Blue	
Oleic acid	Blue	Red	
Oxalic acid	Blue	Red	
Oxygen gas	Blue	Red	
Ozone gas	Blue	Red	
Palm oil	Blue	Blue	
Palmitic acid	Blue	Red	
Pentane	Red	Red	
Peptide coupling reagents	Blue	Blue	
Perchloric acid	Blue	Red	
Perchloroethylene	Red	Red	
Phenol 10%	Blue	Red	
Phenylacetic acid	Blue	Red	
Phosphoric acid concentrated	Blue	Red	
Phosphoric acid diluted	Blue	Red	
Phthalic anhydride	Blue	Blue	
Picoline alpha	Blue	Blue	
Picric acid H2O solution	Blue	Red	
Polyethylene glycol	Blue	Red	
Polypropylene slurry	Blue	Red	
Polyvinyl acetate emulsion	Blue	Blue	
Polyvinyl alcohol	Blue	Blue	
Potassium bromide	Blue	Red	
Potassium carbonate	Blue	Red	
Potassium chlorate	Blue	Red	
Potassium chloride	Blue	Red	
Potassium cyanide	Blue	Red	
Potassium dichromate	Blue	Red	
Potassium hydroxide diluted	Blue	Blue	
Potassium hydroxide concentrated	Blue	Red	Reduced life
Potassium nitrate	Blue	Red	
Potassium permanganate	Blue	Red	
Potassium phosphate	Blue	Blue	
Potassium sulfate	Blue	Red	
Propane	Red	Red	
Propionic acid cold	Blue	Blue	
Propyl acetate	Blue	Blue	Reduced life
Propyl alcohol	Blue	Red	
Propylene	Red	Red	
Propylene oxide	Blue	Blue	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	Blue	
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	Blue	
Sulfur chloride	Blue	Red	
Sulfur Dioxide Dry	Blue	Red	
Sulfur dioxide Wet	Blue	Red	
Sulfur In water	Blue	Blue	
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	Blue	
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	Blue	
Triethylamine	Blue	Blue	Reduced life
Trifluoroacetic acid (TFA)	Blue	Blue	
Urea	Blue	Blue	
Urea-formaldehyde resin	Blue	Blue	
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	Blue	