Chemical Abbreviations and Annotations Used on Secondary

Containers in this Laboratory

All containers must be clearly labeled with contents and a hazard indication. Labs can use abbreviations for labeling as long as this or another sheet is prominently posted in the lab. This list includes common substance, extend the list as necessary with lab specific abbreviations.

ACIDS: Corrosive to skin, eyes and respiratory tract

HCl Hydrochloric Acid

HF Hydrofluoric Acid

TCA Trichloroacetic Acid

H2SO4 Sulfuric Acid

BASES: Corrosive to skin, eyes and respiratory tract

KOH Potassium Hydroxide NH4OH Ammonium Hydroxide NaOH Sodium Hydroxide

FLAMMABLE LIQUIDS: Fire hazard

EtOH Ethyl Alcohol

MeOH Methanol

IPA Isopropyl alcohol

TOXIC: Harmful by ingestion or skin absorption

DEPC Diethyl pyrocarbonate

DMSO Dimethyl sulfoxide

Carries hazardous materials through the skin

Laboratory Specific Abbreviations:

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| Acronym | Description | Hazards Class | NFPA |
| THF | Tetrahydrofuran | Flammable | 2,3,1 |
| EtBr | Ethidium Bromide | Carcinogen | 4,1,0 |
| EDTA | Ethylenediaminetetraacetic acid | Irritant | 2,0,0 |
| HEPES | 4-(2 Hydroxyethyl) piperazine-1-ethanesulfonic acid | Irritant | 1,0,1 |
| TCA | Trichloroacetic acid | Corrosive | 3,0,0 |
| MgCl2 | Magnesium Chloride | Irritant | 2,0,0 |
| CH2Cl2 | Methylene Chloride | Toxic | 2,1,0 |
| Hg | Mercury | Toxic | 2,0,0 |
| KI | Potassium Iodide | Irritant | 1,0,0 |
| MgSO4 | Magnesium Sulfate | Irritant | 1,0,0 |
| DSP | Sodium Phosphate, Dibasic | Irritant | 1,0,0 |
| NaCitrate | Sodium Citrate | Irritant | 1,1,0 |
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LOW HAZARDS:

H2O Water

NaCl Sodium Chloride (Table Salt)

SDS Sodium Dodecyl Sulfate, Detergent

TAE Tris acetic acid + Ethylenediaminetetra acetic acid

TBE Tris boric acid + Ethylenediaminetetra

acetic acid

PBS Phosphate buffered saline, Buffer

SSC Sodium chloride sodium citric acid

TE Tris Ethylenediaminetetraacetic acid

SSPE Sodium chloride sodium phosphate +

Ethylenediaminetetraacetic acid

STET Sodium chloride

ethylenediaminetetraacetic acid Tris

Triton X-100

TNT Tris sodium chloride Tween-20

TPE Tris phosphoric ethylenediaminetetraacetic acid

STE/TEN Sodium chloride tris

ethylenediaminetetraacetic acid

DI Deionized water

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| Acronym | Description | Hazards Class | NFPA |
| H2O2 | Hydrogen Peroxide | Oxidizer | 3,0,1 |
| ACN | Acetonitrile | Flammable | 2,3,0 |
| TSB | Trypticase Soy Broth | Non Haz | 0,0,0 |
| CaCl2 | Calcium Chloride | Irritant | 2,0,2 |
| TCEP | Tris(2-carboxyethyl) phosphine | Corrosive | 2,0,0 |
| DMF | Dimethylformamide | Toxic | 2,2,0 |
| CHCl3 | Chloroform | Toxic | 2,0,0 |
| CsCl | Cesium Chloride | Irritant | 2,0,0 |
| EtOAC | Ethyl acetate | Flammable | 2,3,0 |
| KCl | Potassium Chloride | Irritant | 0,0,0 |
| MgOAC | Magnesium Acetate | Irritant | 1,1,0 |
| Na2CO3 | Sodium Carbonate | Corrosive | 3,0,1 |
| Na2PO4 | Sodium Phosphate | Irritant | 2,0,0 |
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