Beaumont HEALTH

Beaumont Laboratory
Grosse Pointe • Royal Oak • Troy

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Related Documents:

CARCINOGENS AND SUSPECT CARCINOGENS

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Carcinogens and Suspect Carcinogens

Under the guidelines of this plan, carcinogens and suspect carcinogens will be handled equivalently. Although the number of known carcinogens is relatively small, there are in excess of 2700 substances suspected of being carcinogenic. The list below includes all chemicals in use which fall into either category.

Procedure for Handling

Careful handling of these chemicals makes risk insignificant. The following specific precautions should be followed:

1. Read the label on the bottle for precautions in handling.
2. Wear gloves and an apron or lab coat when weighing or transferring the chemical.
   a. Latex gloves, if the chemical is a solid.
   b. Neoprene or nitrile gloves, if the chemical is a solvent or a caustic solution.
3. If the chemical is powdery or likely to form a dust, wear a dust mask to avoid inhalation and work in a hood, if available.
4. Do not mouth pipet solutions.
5. Wash hands after handling. Immediately wash any area of the skin which comes into contact with the chemical.

Storage and Use

When possible, store carcinogenic reagents in plastic bottles to minimize the risk of accidental breakage. Label all carcinogens and suspect carcinogens.

Disposal

Unless the chemical is an organic solvent, it may be disposed of by flushing into the sewer system. Pour down the drain along with copious volumes of water.

Chemical Guide

Carcinogens (c) or Suspect Carcinogens (s) in Use	Laboratory Section
Acridine Orange (s)	AC
Amino-9-ethylcarbazole (s)	AC
Auramine - Rhodamine (s)	M
Benzene (c)	C
Benzidine Dihydrochloride (c)	C
Carbolfuchsin (s)	M
Chloroform (s)	C, M
Chromic Acid (Chromium VI Oxide) (s)	C

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O-Dianisidine (Dimethoxy Benzidine) (s)	C
Diphenylamine	C
Ethidium Bromide (Gel Star)(c)	BB
Ethylene Glycol Monomethyl Ether (c)	M
Fast Corinth V (s)	H
Fast Garnet GBC Base (s)	H
Formaldehyde (s)	BB, C, H, V
Formalin (s)	BB, C, H, I, M, V
Formamide (c)	M
Hydrazine Sulfate (s)	C
Lead Acetate (s)	C
2-Mercaptoethanol	MP, C
Methylene Chloride (s)	C
Pararosaniline HCL (s)	H
Phenazine Methosulfate (c)	C
Phenylenediamine (s)	C
Phenylhydrazine Hydrochloride (s)	C
Potassium Dichromate (s)	C, V
Sodium Arsenate (Sodium Arsenate Dibasic) (s)	C
Sodium Arsenite (s)	C
Sodium Chromate	C
Sodium Dichromate (s)	C
Tannic Acid (s)	M, V
Thiourea (s)	C

- AC - Analytical Cytometry
- BB - Blood Bank
- C - Chemistry
- H - Hematology
- M - Microbiology
- MP - Molecular Probe

Authorized Reviewers
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