

HISTOLOGY LABORATORY

CHEMICAL INVENTORY

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1 Carcinogens

Product / Common Name	Location	MSDS Filed
Aniline		
Chloroform		
Chromium compounds		
Chromic acid		
Potassium dichromate		
Formaldehyde		

1.1 Stains

Product / Common Name	Location	MSDS Filed
Auramine O, CI 41000		
Basic fuchsin, CI 42500 (pararosaniline hydrochloride)		
Chlorazol black E, CI 30235		
Ponceau de xylidine, CI 16150 (ponceau 2R)		

1.2 Carcinogenic determination

These chemicals are carcinogenic to animals, though there is no human data.

Product / Common Name	Location	MSDS Filed
Acridine Orange		
Basic fuchsin, CI 42510 (rosaniline hydrochloride)		
Congo Red		
Crystal violet (gentian violet)		
Eosin Y, CI 45380		
Fast green FSF, CI 42053		
Hematoxylin, CI 75290		
Light green SF yellowish, CI 42095		
Orange G, CI 16230		
Rhodamine B, CI 45170		
Sudan III, CI 26100		
Sudan IV, CI 26105		

2 Extremely hazardous

2.1 Reproductive toxins

Product / Common Name	Location	MSDS Filed
Chloroform		
Ethylene glycol ethers		
Hydrochloric acid		
d-Limonene		
Methanol		
Methyl methacrylate		
Mercuric chloride		
Nitric acid		
Potassium dichromate		
Sulfuric acid		
Toluene		
Xylene		

2.2 High acute toxicity

Product / Common Name	Location	MSDS Filed
Chromic acid		
Uranyl nitrate		

3 Acid cabinet

Product / Common Name	Synonym	Date Entered	MSDS Filed
Acetic acid, glacial			
Decal Overnight			
Decal STAT			
Formic acid			
Hydrobromic acid			
Hydrochloric acid			
Nitric acid			
Phosphoric acid			
Sulfuric acid			
Surgipath Decalcifier II			

4 Chemical cabinet

Product / Common Name	Synonym	Date Entered	MSDS Filed
Aluminum acetate			
Aluminum ammonium sulfate			
Aluminum chloride (anhydrous)			
Aluminum hydroxide			
Aluminum potassium sulfate			
Aluminum sulfate			
Ammonium acetate			
Ammonium carbonate			
Ammonium chloride			
Ammonium sulfamate			
Boric acid			
Calcium carbonate			
Calcium chloride			
Cedarwood oil			
Citric acid			
Charcoal	activated charcoal		
Chloral hydrate			
Chromium potassium sulfate			
Chromium trioxide	chromic acid		
Clove oil			
Copper sheet/shot			
Cottonseed oil			
Cupric acetate	copper acetate		
Cupric sulfate			
Dextrose			
Drierite	CaSO ₄		
Ferric ammonium sulfate	iron alum		
Ferric chloride			
Ferrous sulfate			
Gelatin			
Glycerol	glycerin		
Gum mastic			
Hydroquinone			
3-hydroxy-2-naphthoic acid hydrazide			
Iodine			
Lithium carbonate			
Magnesium sulfate			

Product / Common Name	Synonym	Date Entered	MSDS Filed
Marble chips			
Mercuric oxide, redY			
Mercuric chloride	mercuric bichloride		
Mercury (thermometers)			
Methenanmine	Hexamethylenetetramine		
Mineral oil			
Oxalic acid			
Paraffin Oil			
Parlodion	Celloiden		
Peanut			
Periodic acid			
Phenol	Carbolic acid		
Piccolyte			
Polyethylene glycol			
Polymethyl methacrylate			
Potassium acetate			
Potassium bromide			
Potassium carbonate			
Potassium dichromate			
Potassium ferricyanide			
Potassium ferrocyanide			
Potassium hydroxide			
Potassium iodate			
Potassium iodide			
Potassium metabisulfite			
Potassium permanganate			
Potassium phosphate monobasic			
Potassium sodium tartrae			
Pyrogallic acid	pyrogallol		
Resorcinol			
Sodium acetate			
Sodium bicarbonate	sodium hydrogen carbonate		
Sodium bisulfate			
Sodium bisulfite			
Sodium borate	borax		
Sodium carbonate			
Sodium chloride	table salt		
Sodium hydroxide	lye		
Sodium iodate			

Product / Common Name	Synonym	Date Entered	MSDS Filed
Sodium metabisulfite			
Sodium phosphate dibasic			
Sodium phosphate monobasic			
Sodium nitrite			
Sodium sulfate			
Sodium sulfite anhydrous			
Sodium thiosulfate	hypo		
Sucrose			
Tannic acid			
A-Terpineol			
Thymol crystals			
Trichloroacetic acid			
Uranyl nitrate			
Zinc chloride			

5 Flammables room

Product / Common Name	Synonym	Date Entered	MSDS Filed
Acetone			
Alcohol/Ether Mixture			
Americlear	xylene substitute		
Aniline			
2-Butoxyethanol	butyl alcohol ethelene glycol monobutyl ether		
Chloroform			
Clear-Rite 3	aliphatic hydrocarbon		
Eosin Y			
FLEX 100			
Formaldehyde			
Methanol	methyl alcohol		
2-Methyl butane	Isopentane		
Methyl methacrylate, monomer inhibitor			
Mollifex			
Paraldehyde			
Permaslip			
Protocol Safeclear			
Permout			
Picric acid			
Picric acid/Acetone Solution			

Product / Common Name	Synonym	Date Entered	MSDS Filed
Propylene glycol			
Pyridine			
Reagent alcohol	denatured ethanol		
Safe Clear	xylene substitute		
Thick Celloidin Solution			
Toluene			
Triacetin			
Trichlore ethylene			
Xylene			

6 Histology refrigerator

Product / Common Name	Synonym	Date Entered	MSDS Filed
3-Aminopropyltriethoxysilane			
	silane		
Diastase			
Karnofsky's	gluterhaldehde fix		
Gold chloride			
Hylauranidase			
JB-4 Solution A			
JB-4 Solution A-Plus			
JB-4 Solution B			
Phosphomolybdic acid			
Phosphotungstic acid			
Phosphotungstic acid hematox			
	PTAH		
Protargol S	Silver protinate		

7 Histology laboratory

Product / Common Name	Synonym	Date Entered	MSDS Filed
Adhesive, 90 High Strength			
Ammonium hydroxide			
Ammo chips			
Antistat			
Armorall			
BackDown Hand			

Product / Common Name	Synonym	Date Entered	MSDS Filed
Buffer solution: pH4			
Buffer solution: pH 10			
Charcoal	activated charcoal		
10% Formalin			
Clorox	sodium hypochlorite		
Dehibit-			
Dermatena			
Dibutylphthalate			
Detergent, S/P brand			
Dust-Off Plus			
Elmers Glue			
Eradosol			
Filling sol. pH elec.	4MKCL sat. Ag		
Filling sol. ref.elec	sat. K2SO4		
Hand cleaner-			
Hand cleaner-Hematoxylin			
Hand cleaner-Acid stains			
Histo Freeze 2000			
Histo Resin (Basic resin			
JB-4 Catalyst	Benzoyl peroxide		
JB-4 Plus Moniomer Solution			
Lens cleaner			
Microsharp cleaning			
Neutralizer-Acid			
Neutralizer-Bas			
OCT			
Paraffin wax, Paraplast Xtra, Paraplast Plus			
Polyethylene glycol 1540 disterate			
Proguard Hand			
Sharpies			
Spill-X formaldehyde			
Tween 80	poly sorbate		
WD-40			

8 Stain cabinet

Product / Common Name	Synonym	Date Entered	MSDS Filed
Acid Red 1	Azophloxine		
Acid Fuchsi			
Acridine Orang			
Alcian Blue 8GX			
Alcian Green			
Alizarin Red S			
Aniline Blue			
Auramine O			
Aurantia			
Aurintrinsicarboxylic Acid			
Azocarmine			
Azocarmine			
Azure A			
Azure II Eosinae			
Basic Fuchsin	Pararosanaline		
Biebrich Scarlet			
Bismark			
Brilliant Cresyl Blue			
Brilliant Green	Malachite		
Carmine, Alum Lake			
Celestine Blue			
Celestine Blue B			
Chlorazol Black E			
Chromotrope			
Congo Red			
Cresyl Echt Violet	Cresyl Violet		
Crystal Violet	Gentian Violet		
Dimethylaminobenzylidene			
Eosin Y			
Eosin (yellowish), Acid Free			
Eosin Bluish			
Eosin B			
Ethyl Violet			
Evans Blue			
Fast Blue Salt 2B			
Fast Green FC			
Fast Red Base B			

Product / Common Name	Synonym	Date Entered	MSDS Filed
Fuchsin Red			
Gallocyanin			
Gentian Violet	Crystal Violet		
Giemsa Stain			
Hematoxylin			
Iodine Green			
Jenner's Farbstoff Stain			
Light Green SF Yellowis			
Luxol Fast Blue			
Malachite Green	Brilliant Green		
May-Greenwald's Stain			
Mercury			
Metanil Yellow			
Methylene Blue			
Methyl Blue	Aniline Blue		
Methyl Green			
Methyl Orange			
Methyl Violet 2			
Methyl Yellow			
Mordant Blue 1			
Morin			
Napthol AS-D Chloracetate			
Napthal			
Napthal Yellow			
Neutral Red	Nuclear Fast Red,		
Nile Blue A			
Ninhydrin			
Nuclear Fast Red	Kernechtrot		
Oil Red O			
Orange G			
Orange IV			
Orcein (synthetic)			
Orcein (natural)			
Pararosaniline	Basic Fuchsin		
Pararosaniline Acetate			
Pararosaniline Hydrochloride			
Phenolphthalein Merck			
Phenol Red Free Acid			
Phloxine B			

Product / Common Name	Synonym	Date Entered	MSDS Filed
Ponceau Xylidine			
Protargol S	Silver		
Pyronin B			
Pyronin Y			
Rhodamine			
Safran du			
Safranin O			
Safranin Y			
Saffron			
Silver Nitrate			
Silver Protein	Protargol S		
Siriustrot			
Sudan Black B			
Sudan III			
Sudan IV			
Tartrazine			
Thioflavin S			
Thioflavin T			
Thionin			
Toludine Blue O			
Trypan			