

Gilbert lab safety and training information

The lab Chemical Hygiene/Lab Safety Coordinator is Gregory S. Gilbert. If you have any questions, or note any laboratory safety problems, see Greg (459-5002, 439 ISB). Greg after hours 466-9142.

In a lab emergency, leave the lab, close the door, and dial 911.

Everyone joining the lab is required to first read and understand Pages 1-9 of "The Laboratory Chemical Hygiene Plan", located in the Injury and Illness Prevention Program notebook, in 478 Natural Sciences 2, in the labeled cabinet by the sink. Specific training from Greg or a qualified person assigned by Greg is required prior to using centrifuges, microscopes, gel boxes, the bio-safety cabinet, the fume hood, pipettes, the spectrophotometer, the autoclave, the Ethyidium bromide/gel photo apparatus, and any other powered equipment with which the user is unfamiliar. People joining the lab must read, complete, and sign the "New Laboratory Worker Health and Safety Orientation" sheet, located in the front of the Injury and Illness Prevention Program notebook, and turn in the copy to Greg. Also complete the "Gilbert lab equipment training" form and "Gilbert lab safety checklist", below, and return to Greg. Both forms are available from the lab website <http://people.ucsc.edu/~ggilbert> under Lab Stuff.

Appropriate protective gloves **MUST** be worn when handling antibiotics, acids, bases, solvents, dyes, and any other toxic or caustic chemicals. Eye protection and a lab coat are required when handling acids and bases. Eye protection is required when heating any liquids.

Volatile chemicals, concentrated acids, and concentrated bases may only be handled in the fume hood. Such chemicals may **NEVER** be used in the biosafety cabinet.

All microbially-contaminated materials must be autoclaved prior to disposal.

No food in laboratory 478 Nat Sci 2. Food is OK in 490 Nat Sci 2.

The lab chemical inventory and standard procedures are available in the Protocols & Recipes notebook. The chemical inventory and links to information on general lab safety and on chemical hazards are available through the Gilbert Lab web site <http://people.ucsc.edu/~ggilbert/>.

Gilbert lab equipment training

Name _____ Date _____

All lab personnel must receive training from Greg or someone designated by Greg for the following:

<u>Trainer</u>	<u>Trainee</u>	<u>Training</u>
_____	_____	autoclave
_____	_____	bio-safety cabinet
_____	_____	centrifuges
_____	_____	fume hood
_____	_____	microscopes
_____	_____	pipettes
_____	_____	refrigerators and freezers

Anyone who will be doing molecular work needs additional training on the following prior to starting work.

<u>Trainer</u>	<u>Trainee</u>	<u>Training</u>
_____	_____	gel boxes
_____	_____	Ethydium bromide/gel photo apparatus
_____	_____	spectrophotometer

Gilbert lab facility inspection checklist

Inspector _____ Date _____

Information available

- Emergency contact information posted
- Injury and Illness Prevention Program binder available
- Lab protocols binder available
- Lab website available

Equipment safety

- Personal protection signes posted
- Electric cords in good repair/used properly
- Electrical equipment grounded

Fire Safety

- Excess flammables (>10gal) properly stored
- Flammable storage cabinets used properly
- Fire extinguishers accessible inspected
- Exit corridors clear (36" isle)
- Electrical panels unobstructed

Housekeeping & Storage

- Materials stored properly
- No racks overloaded
- Exits clear and marked
- Floors clear of hazards
- Aisles kept clear
- Cords, etc. do not pose tripping hazards

Seismic safety

- Heavy items stored close to ground
- Bookshelves and other uprights affixed to wall or other stabilizing unit
- File cabinets are filled bottom to top when partially full
- Shelf lips and restraints are presetrn to prevent content spillage

Protective and Personal Apparel

- Eye protection worn as required
- Appropriate footwear worn
- Protective clothing used when needed

Chemical Safety

- Chemicals stored in proper containers or cabinets
- Chemicals properly labeled
- Incompatible chemicals separated
- Chemical waste disposed properly
- Eyewash/Shower available
- MSDSs available

Hand Tools

- Tools properly stored
- No broken handles
- Tools used properly