Known Possible Hazards for BIOL 240 Genetics

This list of substances represents the possible hazards currently identified for this course; however, substitutions or additions are possible. Do not assume a substance is safe if it is not listed. You will be notified of changes as soon as they are available. If you are aware of any known allergies or sensitivities to chemicals, please let your professor know prior to the first lab class.

Chemicals:

- 5-Bromo-4-chloro-3-indolyl β-D-galactopyranoside (X-gal)
- Adenine
- Agar, Bacteriological
- Agarose
- Ammonium Sulfate
- Ampicillin
- Amplicon Cloning Control
- BamHI-HF
- BglI
- BglII
- Calcium Chloride
- CutSmart Buffer
- Cloning Analysis Forward Primer
- Cloning Analysis Reverse Primer
- Cloning Mix 1 (2.5X)
- Cloning Mix 2 (10X)
- Cornmeal Media
- EconoTaq Plus Green 2X Master Mix
- EcoRI-HF
- Ethyl Alcohol
- Gel Loading Dye
- GelGreen Nucleic Acid Stain
- HINDIII-HF
- Isopropyl Alcohol
- Isopropyl β-D-1-thiogalactopyranoside
- LB Broth, Miller
- Linearized pMiniT 2.0 Vector
- Monk Wipes
- MV Agar
- NEB 10- beta/Stable Outgrowth Medium
- NEBuffer 3.1
- Plasmid DNAs (pGEM4Z, pBR322, pBB100, pBR322, pGT2)
- Sordaria Crossing Media
- TAE Buffer, 50X
- TE Buffer pH 8.0
- Tetracycline
- Tris·HCl pH 8.0 buffer
- Yeast Extract
- Yeast Nitrogen Base
- Yeast Peptone Dextrose (YPD)
- ZymoPURE Binding Buffer
- ZymoPURE Elution Buffer
- ZymoPURE P1 (Red)
- ZymoPURE P2 (Green)
- ZymoPURE P3 (Yellow)
- ZymoPURE Wash 1
- ZymoPURE Wash 2 with Ethanol Added

Biological Organisms:

- *Escherichia coli*
- *Sordaria*
- *Saccharomyces cerevisiae* (5 strains)

Physical Hazards:

- UVC lamp