



### **Possible Hazards and Chemicals Biology 101**

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:**

- Albumin
- Iodine Potassium Iodide Regent
- Benedicts Reagent
- Biuret Reagent
- Sudan IV
- Methylene Blue
- Bleach Solution
- Monk Wipes
- 40% glucose
- 20% glucose
- 1% glucose
- 2% glucose
- pH 3 buffer
- pH 7 buffer
- pH 10 buffer
- pH 14 buffer
- Bromothymol blue stain
- Hydrogen Peroxide, 3%
- 1% sucrose
- Lime water (CaOH)
- Chromatography solvent (92% petroleum ether, 8% acetone)
- Phenol red stain
- 70% Isopropanol
- Preserved specimens in 70% isopropanol
- TAE Buffer (Tris base, Acetic Acid, EDTA)
- Agarose
- DNA fragments in loading dye
- Calcium Chloride
- Ampicillin
- Plasmid DNA (pGreen)
- Gel Green DNA stain

- Luria Broth
- Luria Broth Agar
- Glycerol

#### **Household Items:**

- Onion
- Potato
- Vegetable oil
- Starch (potato & corn)
- Milk
- Olive oil
- Bread
- Honey
- Table salt
- Yeast
- Yogurt suspension
- Yeast suspension
- Sugar
- Clear lemon-lime soda
- Lima beans
- Gelatin
- Spinach

#### **Biological Specimens:**

- *Escherichia coli*
- Live mixed Protists
- Crickets
- Elodea (waterweed)
- Coleus plants