

Known Possible Hazards for BIOL 215 Microbiology

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.

Goggles, lab coats, and gloves are worn during all labs. Sterile technique is utilized during every lab procedure.

Bacteria

Aspergillus niger

Bacillus megaterium

Bacillus subtilis

Candida albicans

Enterobacter aerogenes

Enterobacter cloacae

Enterococcus faecalis

Escherichia coli

Klebsiella pneumonia

Micrococcus luteus

Mycobacterium phlei

Proteus mirabilis

Proteus vulgaris

Pseudomonas aeruginosa

Saccharomyces cerevisiae

Serratia marcescens

Staphylococcus aureus

Staphylococcus epidermidis

Staphylococcus saprophyticus

Streptococcus lactis

Streptococcus pyogenes

REAGENTS / MEDIA

Trypticase Soy Broth

Trypticase Soy Agar

Columbia CNA Agar

MacConkey Agar

Saline

Denatured Ethyl Alcohol

Crystal Violet Stain

Nigrosin Stain

Gram's Iodine

Safranin Stain

Skim Milk Broth

Copper Sulfate 20% Solution

Immersion Oil

Motility Medium

Malachite Green Stain

Starch Agar

Skim Milk Agar

Phenol Red Lactose Broth

Phenol Red Maltose Broth

SIM Medium

Kovac's Reagent

Hydrogen Peroxide 3%

Saboraud Dextrose Agar

Mycosel Agar

Rice Extract Agar

T₄ Coliphage

Centrimide Agar

Enterotube II (Gram negative ID system)

Taxo N discs

Non-viable Shigella antigen

Shigella antisera

Non-viable Syphilis antigen

Human pregnancy test kit

SLE test kit

Mono test kit

Sheep blood agar

Bile esculin agar

Taxo A disc

Mannitol salt agar

DNase agar

Rabbit Plasma with EDTA

Novobiocin disc

Mueller Hinton agar

Antibiotic Testing Discs

Amoxicillin/Clavulanic Acid

Cefotaxime

Cefoxitin

Ciproflaxacin

Clindamycin

Erythromycin

Kanamycin

Oxacillin

Sulfamethoxazole/Trimethoprim

Tetracycline

Piperacillin/Tazobactam

Vancomycin

Amikacin

Ampicillin

Carbenicillin

Ciprofloxacin

Gentamicin

Tetracycline

Updated: July 28, 2025 eds