

Microbiology Lab Experiment Changes

Experiment #: 3-1

Title: Introduction to the Light Microscope

Live Organisms: none

- Changes:**
1. Clean all of the lenses first!
 2. Examine the various prepared slides available. (Exercises 3-3 & 3-4 may have pictures of some of the slides to help you interpret what you are seeing.)
 3. Focus and make a drawing at 400x and 1000x.
 4. Note the differences in size and detail of the specimen that can be seen at each magnification.
 5. Clean all of the lenses last!
 6. Return scope to cabinet in proper orientation with cord wrapped and secured.

Take Home Lesson: The purpose of the exercise is to demonstrate the ability to focus the microscope using immersion oil. You will use the microscope all throughout this course. Think about what knobs you are moving when you are focusing. Think logically about what you see through the microscope as opposed to what you are supposed to see. You will be “tested” on your ability to focus without any assistance on the first unknown. If you are having trouble, ask me or your classmates for help.