

Microbiology Lab Experiment Changes

Experiment #: 3-4

Title: Simple Stains

Live Organisms: *Escherichia coli*, *Bacillus cereus*, *Staphylococcus aureus*,
Micrococcus luteus, *Enterococcus faecalis*,
Corynebacterium xerosis

Miscellaneous Environmental plate bacteria

Changes: Use paper towels not bibulous paper to blot dry.

Procedure:

1. First we will practice aseptic techniques with sterile tubes.
2. Instructor will demonstrate how to make a bacterial smear and perform a simple stain.
3. Each student will make at least one smear from the six bacterial cultures available. You may make more smears/stains if time permits.
4. You should look at the other slides prepared by your classmates. We will see all of the bacteria again when we perform the Gram stain.

Take Home Lesson: Simple stain allows you to see morphology (rod, coccus, spiral etc.) and arrangement (pairs, tetrads, chains, clusters etc.).