

Micr-22 Lab Final Study Guide

Revised Fall 2018

Lab 8: Vocabulary.

Handout (table of characteristics, portals of entry, diseases).
Review Qs at end of lab.

Lab 9: Streak vs. spread vs. pour plate.

Kochuria, *Serratia*, and UTI colony colors.
Streak plate method.
Review Qs at end of lab.

Lab 10: Selective vs. differential vs. enriched media.

Qualities of MSA, blood agar, MacConkey, EMB media, and their potential results. For example, what makes these media special? What do they detect? What do the results look like?
Review Qs at end of lab.

Lab 11: Media types: What do they test for? What do positive and negative results look like? Motility deeps, FTM,

phenol red lactose and glucose fermentation tubes, urea broth, Simmons' citrate.
Review Qs at end of lab.

Lab 12: API 20E setup procedure, interpretation, coding of results (making a profile number).

Review Qs at end of lab.

Lab 13: How to read an identification flowchart, such as from the review questions.

Review Qs at end of lab.

Lab 14: Antibiotic susceptibility testing.

How to measure ZIH.
How to determine S, MS, I, R ratings.
Review Qs at end of lab.

Lab 15: Review Qs at end of lab.

Lab 16: Testing antimicrobial products.

Review Qs at end of lab.

Lab 17: Prelab questions.

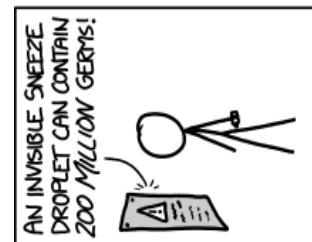
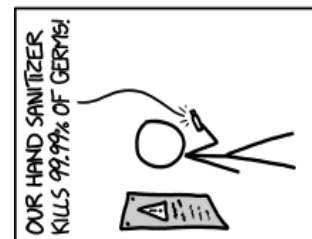
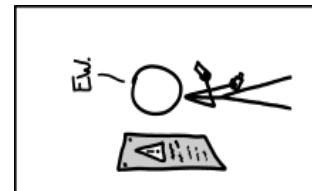
ELISA principles.
Review Qs at end of lab.

Lab 18: Procedure for pGLO transformation.

Interpretation of results.
Review Qs at end of lab.

Lab 19: Presumptive test.

Membrane filter method.
Dilution procedure.
"Countable plate" definition.
How to calculate original bacterial concentration.
Review Qs at end of lab.



<https://xkcd.com/1161/>