

MICROBIAL IMMUNOLOGY MBIO 4010 FINAL LAB EXAM OUTLINE

Date: March 29, 2007
Time: 2:30 pm
Duration: 1.5 h
Location: 207 Buller

Bring a non-programmable calculator to the lab exam.

Policy:

The lab exam is part of the final course exam. In compliance with the Department of Microbiology regulations students may not view their final lab exam unless officially appealed.

Format:

- Write exam in **pen only** in spaces provided.
- One word to medium length answers.
- Similar format to sample lab exam at back of lab manual.
- Some questions request only completely labelled diagrams.

Material covered:

- Responsible for all material in lab manual: introduction, procedures, and appendix.
- Responsible for lab reports: all information requested, results of experiments, answers to questions and calculations. Not responsible for Excel spread sheet chart set up and functions.
- Procedures: It is important to understand procedures (function/purpose of experimental steps, apparatus, techniques, and solutions involved). Be able to explain why each step is performed and underlying principle.
- You may be asked to outline a procedure to demonstrate or prove an objective, principle or conclusion. List steps but do not include experimental details. Remember to include controls if required. For example, outline or name an experiment to demonstrate the purity of an IgG preparation.
- You are not responsible for the information presented during the confocal fluorescent microscope demonstration.

Reagents:

- No need to memorize the exact composition of each solution, but should know the function of each component. If you add something to your experiment make sure you know why! Frequently I give you the components of a solution and ask you to tell me the function of each component.
- Must know how to prepare basic solutions. This type of question requires a step by step detailed answer. Questions on solution preparation are included since you do not get the opportunity to prepare the solutions you use in the lab.