

Lab 2
General Microbiology
Discussion Questions

1. Part of the goal of the exercise was to transfer bacteria from one medium to another. What were the 2 types of media? Why is sterile/aseptic technique necessary?
2. Observe your individual plates of *M. luteus* and *S. marcescens*. Describe the growth on each. Are there any noticeable differences in the 2 types of bacteria? Did you achieve the goal of streaking out isolated organisms? How do you know? Could you improve your technique?
3. Observe the plate with the bacterial mixture. Were you able to separate the 2 types of bacteria? How do you know?
4. When might it be impossible to isolate one organism from another using the technique we used. How might you solve this problem?
5. Does one of the bacterial species seem to have a growth advantage? Give some possible explanations.

If you would like another opportunity to streak bacteria from broth to agar plates, you may do so. Determine how to improve your technique. Repeat the procedure if you wish using *S. marcescens*. Incubate the plates room temperature.