

Objective Questions and Techniques to Know for Lab Session #2: Bacterial Isolation by Streak Plate and Aseptic Technique

Identification/Applications: For Practicals

1. Be able to determine if a liquid culture that was streaked on a plate was pure by looking at the morphologies on the plate.
2. Be able to distinguish isolated colonies from non-isolated ones.
3. What does a motile organism look like in a motility deep? Be able to identify whether an organism is motile or non-motile after growing in motility media.
4. Be able to identify slant, broth, deep and plate media.
5. Distinguish sterile media from culture.

Skills for skills Test

1. Be able to do an A+ streak plate to obtain isolated colonies with the aseptic technique.
2. How do you do the aseptic technique? Be able to do it quickly.

Concepts for Quizzes and Practicals

1. Why should your streak plates be incubated upside-down?
2. Distinguish between sterile plate media and contaminated plate media.
3. What is the purpose of the aseptic technique?
4. What is the purpose of doing a streak plate?
5. How can a culture become contaminated?
6. If you inoculate sterile liquid media one day and look at your culture the next, can you tell if the culture is contaminated with something else just by looking at it? What can you do to determine definitively if it is contaminated (know two things you can do)?
7. What does motility refer to?
8. Terms:
 - a. Inoculate
 - b. Culture
 - c. Incubation
 - d. Asepsis
 - e. Aseptic technique
 - f. Deep
 - g. Slant
 - h. Broth
 - i. Sterilize