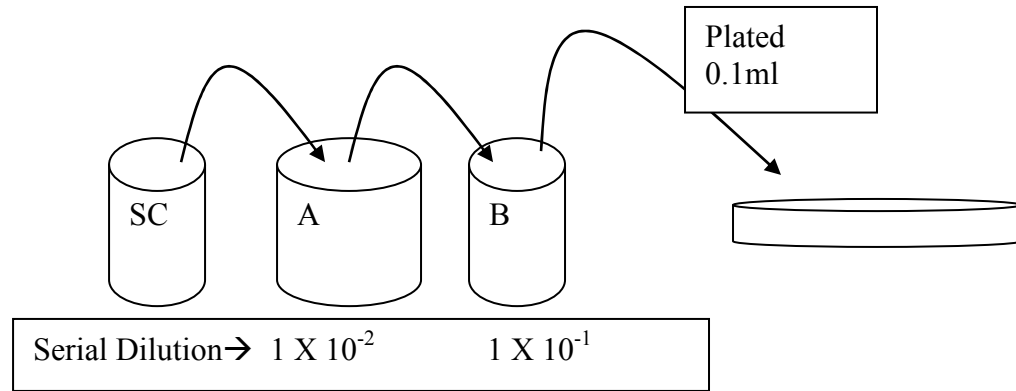


Sample/Practice Dilution Questions for Practicals and Quizzes



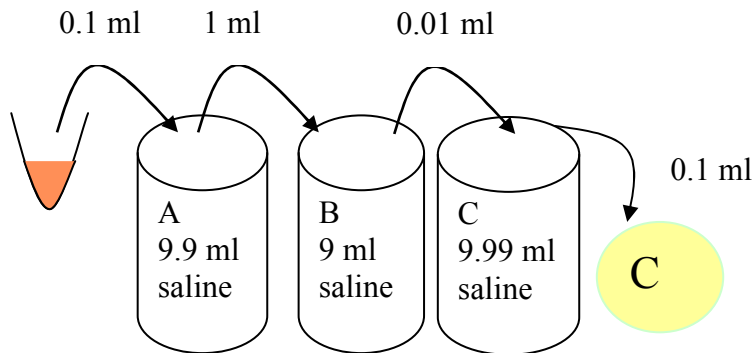
Dilution Question #1

1. What is the dilution factor for tube B?
2. What is the dilution factor for the plate?
3. If you counted 250 cells on the plate, how many cells per ml would be in tubes B, A, and SC?

Dilution Question #2

A lab technician took a fecal sample and did the following dilution.

1. Transferred 0.1 ml from fecal sample to 9.9 ml saline in A
2. Transferred 1 ml from A to 9 ml saline in B
3. Transferred 0.01 ml from B to 9.99 ml saline in C.
4. Transferred 0.1ml from C to an agar plate
5. Counted 65 colonies on plate C



Questions:

1. What is the serial dilution at A?
2. What is the serial dilution at B?
3. What is the serial dilution at C?
4. What is the total dilution at C?
5. What is the concentration of cells in tube C?
6. What is the concentration of cells in the fecal sample?