

Tutorial 2

1. Describe how to prepare a 400 ml ,1:8 dilution of a disinfectant solution from a stock solution provided using water as your diluent.
2. You are provided with 3ml of a 100 mg/ml stock solution of ampicillin and requested to prepare dilute it a final concentration of 25mg/ml and final volume of 200 μ l. Calculate the volume of stock solution needed? describe the preparation process .
3. An100.0 mL of 2.500 M KBr solution is on hand. You need 0.5500 M. What is the final volume of solution which results?
4. From the following serial dilution answer the following (stock solution is 0.4M);
 - a- The dilution factor ?
 - b- Calculate the concentration of tube 4 and 7 in the serial dilution .



