Lab Practical Quick Start

Pipetting Practice:

Demonstrate proper usage of the selected pipets to the instructor.

Serial Dilutions:

Calculate how to prepare a set of two-fold serial dilutions with a final volume of 8 mL for each tube. Show your calculations. Color in the diagram below to indicate how a final series of 4 tubes would appear after all tubes have been made. (illustrate shade & volume) If time permits, verify by making a dilution series.

Counting Cells with a Hemocytometer:

Use the diluted blood provided to load one side of a hemocytometer, focus on one large square (one of the nine) and count the cells. Show your instructor before you remove the slide.

Use of the Spectrophotometer:

Demonstrate step by step the procedures to obtain an absorbance reading using the materials provided by your instructor.