

# MATERIALS

## Session 1:

- For each student
  - 1 copy of Introduction to Micropipetting
  - 1 copy of Introduction to Spectrophotometry
- For 4\* groups of 3-4 students
  - 1 Spectrophotometer
  - 3-50 mL beakers with 25 mL of various dilutions of food coloring labeled A, B, and C
  - 1- 50 mL beaker with 25 mL of water
  - 4 Beral pipets
  - Kim wipes
- For 6\*\* groups of 3 students
  - One P-20, P-200 and P-1000 micropipettes with appropriate tips
  - Paper towel folded to have three layers
  - Ruler
  - Food coloring solution
- For teacher
  - Micropipetting Video
  - Graduated cylinder
  - 3- 100 mL beakers
  - Yellow and Blue Food Coloring

\*The number of groups for the Spectrophotometer Activity will depend on the number of spectrophotometers available and the class size. At least four spectrophotometers are needed for this portion of the activity.

\*\*The number of groups for the Micropipetting Activity will depend on the class size and the number of students using the Spectrophotometer Activity. Students need to work in groups of 3 or less.