

Calibration of Glassware

The reference procedure is on page 49 of your text, for Calibrating a 50 mL Buret. This is located after the problems in Chapter 2. A general description of how to calibrate the pipet is in the text of Chapter 2. An example of a calibration curve for the buret is on page 54 of your text.

Be sure to do three trials for the buret as well as for the pipet.

Report the actual volume of *one* volumetric pipet (20 *or* 25 mL) with error.

Report any 10 mL region of the buret that does not meet the tolerance specified in Chapter 2 (page 35). For that region, state the average correction factor (with error and direction). This is your "buret deviation". Be sure to note which region of the buret is out of tolerance! If the entire buret is within tolerance, report "no deviations". How to determine the average correction factor for two trials is shown in the reference procedure. You should modify it for three trials.

Place both answers in the 3" x 5" box at the bottom of the Lab Sheet.