Laboratory Glassware
Learning Objectives

At the end of this unit, the student should be able to:

1. List and describe three types of glass pipettes used in the clinical laboratory.
2. State the appropriate delivery method for a “To deliver” (TD) and “To contain” (TC) pipette.
3. State the pipette will have an etched ring at the top.
4. State the pipette which is graduated to the tip.
5. Describe the purpose for using a volumetric pipette.
6. Describe the proper use of pipettes used in the clinical laboratory including filling and delivering a specific volume.
7. Given a picture of a pipette containing liquid accurately record the volume.
8. State the use of mechanical (automatic) pipettes and the advantage these have over glass pipettes.
9. Describe the proper operation of a mechanical pipette.
10. List and describe the use of two types of non-volumetric glassware.
11. List and describe the use of two types of volumetric glassware.
12. Describe the proper method for reading the volume in a graduated cylinder.
13. Accurately record the volume of liquid in a graduated cylinder.
14. Accurately identify laboratory glassware in a picture or in the laboratory.