Therapeutic Drug Monitoring (TDM)
Learning Objectives

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

1. Discuss the goal of therapeutic drug monitoring.
2. Discuss the routes of administration for therapeutic drugs.
3. Identify the four principle biological events associated with pharmacokinetics.
4. Identify route(s) that drugs can be eliminated.
5. Define the following:
   a. TDM
   b. First-pass metabolism
   c. Pharmacokinetics
   d. Half-life
   e. Peak
   f. Trough
6. Identify considerations in the collection, handling and storage of specimens for TDM.
7. Identify and describe those drugs considered to be “cardioactive”.
8. Identify and describe the antibiotics whose levels are monitored.
9. Identify and describe antiepileptic drugs.
10. Identify the purpose of lithium.
11. Identify and describe the immunosuppressive drugs.
12. Identify and describe the antiasthmatic drugs.
13. Identify and describe the antineoplastic drugs.