

Hematology and Blood Bank Teaching Laboratory (211)

This laboratory is located on the first floor of the department building and contains number of microscopes, centrifuges, spectrophotometers, and workspace for required experiments. The lab has a capacity of 20 students per practical session.

This laboratory includes the practical teaching of the following subjects:

1. **Hematology**: This subject covers the most important blood tests conducted in hospital and medical center hematology laboratories, including the analysis of red and white blood cell counts and platelets, as well as comprehensive routine tests like hemoglobin, erythrocyte sedimentation rate, and hematocrit (the percentage of blood cells). The course also includes training on techniques for preparing blood smears, determining the different types of white blood cells, conducting bleeding and clotting time tests, and performing special tests for diagnosing various types of anemia and leukemia.
2. **Blood Bank**: This subject includes determining blood type and Rh factor; performing direct and indirect Coombs tests; checking compatibility between donor and recipient; identifying the presence of antibodies in the recipient; and determining the type of antibody in the recipient.

