

Course Code	Course Name	Credits
26BT155	IMMUNOLOGICAL TECHNIQUES LAB	02

Objective

The objective of this laboratory course is to enable students to understand the latest techniques and principles in Immunology. To give hands on experience in immunological techniques. Recall the fundamental immunological techniques and their purposes. Understand antigen-antibody reaction. Mastering core diagnostic assays and interpreting data to diagnose immune-related diseases.

1. Preparation of plasma and serum.
2. Blood cell analysis – total count, differential count.
3. Agglutination tests:
 - A) ABO Blood grouping.
 - B) WIDAL test
 - C) ASO test.
 - D) Pregnancy test.
 - E) RPR test.
4. Precipitations:
 - A) Radial immunodiffusion.
 - B) Double immnodiffusion.
 - C) Rocket electrophoresis
 - D) Immuno electrophoresis
5. ELISA

Students are required to perform all the experiments in the laboratory manual as part of the course requirements.