

Lab 2 (room number 504), with the aim of meeting the needs of professors, students and researchers in the field of immunology, was established with the help of professors and officials of the faculty in 1986. The Lab is now located in an area of 27 square meters on the fifth floor of the new medical building.



#### ◀ Equipment and Facilities Available at the Laboratory

- Refrigerated centrifuge
- pH meter
- Scales
- ELISA Reader
- Cytospin device
- Thermocycler
- Optical microscope
- Loop microscope
- Nitrogen tank
- Micro-Spin

#### ◀ The list of Specialized Tests Carried out in this Lab

- Precise measurements of the powders and materials required by the laboratory- emulsifiers and solubilizers
- Extracting protein from various sources, extracting RNA or DNA - building – cDNA – performing pre-test steps of real time and other types of PCR molecular techniques - Some cloning pre-test steps
- Combining different substances in the form of drugs - Assessing the effectiveness of the drug
- Vertical electrophoresis pre-test steps (practice)
- Working with kits and doing ELISA tests without reading-Optimization of various tests
- Sterilization of laboratory equipment by wet autoclave

◀ **The list of services provided by the laboratory to the clients outside the Faculty and University is as follows:**

Service	Cost
Reading MTT and ELISA tests	
Refrigerated centrifuge	

The lab also provides practical training workshops held by experienced professors making use of existing capabilities in order to transfer their experience and expand the services.

◀ **Workshop Titles**

- PCR Molecular methods (Due to the limited facilities is only held for the Department)