

2014–2015 Experimental Biochemistry Curriculum Schedule

Week	Time	Content	
6	10.17	Spectrophotometry Quantitative analysis of protein	6
7	10.24	Electrophoresis Separation of serum proteins by cellulose acetate membrane electrophoresis	6
8	10.31	Chromatography Separation of hemoglobin and protamine by gel filtration chromatography Separation of mixed amino acids by cation exchange chromatography	6
9	11.7	Isolation, purification and identification of nucleic acids Isolation plasmid DNA	6
10	11.14	Identification of DNA by UV-spectrophotometry and gel electrophoresis (Midterm examination)	6
11	11.21	Proteins Separation by SDS-Polyacrylamide Gel Electrophoresis Enzyme Analysis	6
12	11.28	Enzyme kinetics Assay the activity of alanine aminotransferase (ALT) in serum	6
13	12.5	Enzyme Analysis Coupled enzymatic reaction assay---Determination of Blood Glucose , cholesterol Triglycerides (Endpoint Method) (Pratical examination)	6

Object: 13 Student Abroad

Teaching Material: 《Experimental Manual in Medical Biochemistry》

Time and Classroom: Thursday Morning : NO. 1, 2, 3, 4, 5, 6 Room

Teacher: Room 1 YU Hong

Room 2 HE Chunyan

Room 3 ZHANG Baifang

Room 4 DU Fen

Room 5 SHANG Liang

Room 6 Wang Min