

Chapter 2

Experimental Part

2.1 Clinical part

2.1.1 Study population

The blood sampling was conducted between September and November, 2014, from healthy students at Petra University and cardiovascular diseases patients at Jordan Hospital . The experiment population is (151) subject, divided into (101) healthy and (50) patient.

The study case report form was approved by Faculty of pharmacy; Petra University. The case report forms were used to gather demographics, height, weight, profession, and food intake. (Appendix A)

2.1.2 Blood sampling

Blood samples of 5 ml were drawn by trained nurse, collected in plane tubes stand for clotting for 5-10 minutes and were centrifuged at 5000 rpm for 5 minutes, then serum was collected and stored at -70C until analysis.

Before collecting samples, many questions and information had been collected by self-reporting from volunteers using case report form, then classified according to study requirements as shown in table 2.1 and 2.2.