

Number of Experiment: 1 Name of Experiment : blood sample collection, Types of blood collection tubes, blood preservation. Blood Sample Collection Equipment and tools:– 1.disposable syringe, 2.Alcohol 3.Cotton 4.lancet, 5. vacuum tube, 6– tubes, 7.tourniquet, 8. Blood. The theoretical side:– Blood may be obtained from veins , arteries or by capillary puncture. most test in the clinical laboratory are performed on venous blood, while arterial blood is primarily used for blood gas determination. The use of tourniquet should aid in the identification of veins and in the rapid removal of blood. Excessive fist clenching by the patient is to be avoided. Usually disposable needles are used whether the blood is drawn into a syringe or into a vacuum tube. All tubes and syringe must be chemically clean. The blood is then allowed to clot at least 10 to 15 minutes at room temperature and longer if allowed to stand in a refrigerator. After blood has clotted, the tube is centrifuged and the serum removed. The individual handling of the serum will .now depend on the analysis that is to be done. Types of blood collection tubes, blood preservation