1.2 - 2mg anhydrous EDTA per 1ml blood.

The proportion of blood to sodium citrate as anticoagulant by chelating calcium. The recommended, buffered sodium citrate solution is used for determinations in citrated plasma for coagulation testing. The recommended buffered sodium citrate solution is used as anticoagulant for citrated plasma.

The heparin concentration is standardized: 18 I.U. of lithium-, sodium- or ammonium salt of heparin per 1ml. Plasma heparinized plasma for clinical chemistry. The tubes are used for determinations in serum for clinical chemistry, microbiology, virology and TDM. The recommended clotting time is 2-5 minutes. Serum Gel Tubes allow storage of certain parameters under the recommended storage conditions according to their biological half-life in separated serum.

The recommended, buffered sodium citrate solution is used for determinations in serum for clinical chemistry.

The recommended concentration of the ESR. The proportion of blood to sodium citrate anticoagulant volume is 1:1.
Thread the needle into the needle holder. Ensure that the needle is firmly seated in the holder. Leave the remaining section of the cover in place.

Apply tourniquet if required and disinfect the venipuncture site.

Place the patient’s arm in a downward position and insert the needle into the vein as usual.

Push the tube into the holder and onto the needle valve puncturing the rubber stopper. Hold in place with the thumb. The prespecified vacuum of the tube allows the required quantity of blood to flow into the tube.

Remove the tourniquet as soon as blood appears in the tube. When the first tube is full and the blood flow ceases, remove it from the holder. Further samples can then be collected by inserting more tubes into the holder.

In order to ensure correct mixing of the sample with the additives, gently invert the tubes 5-10 times immediately following collection. After the last tube has been drawn and the blood flow ceases, remove the needle from the vein.

Activate the safety mechanism with the aid of solid surface or thumb upon removal of the needle from the patient’s vein. An audible click indicates that the safety shield has been fully activated.

Dispose of the needle together with holder in a sharps disposal container specially intended for this purpose.

The invention of the world’s first evacuated blood collection system made out of PET plastic by Greiner Bio-One has made specimen collection a lot safer. This innovative VACUETTE® system guarantees simple handling and hygiene in order to make your daily work easier.

Recommended order of draw:
- Blood culture or no additive tubes
- Coagulation tubes
- Serum tube with/without gel
- Heparin tube with/without gel
- EDTA
- Glucose
- Other tubes

for more details please see: www.gbo.com/preanalytics

The VACUETTE® system combines the advantages of vacuum technology with unique safety characteristics for the patient and the user.

Specification
- clear as glass but virtually unbreakable
- screw caps for increased safety and simplified opening
- colour coded rings offer additional visual identification of tube characteristics
- longer shelf-life due to tube design
- compatible with all common analyser systems
- Fill-line on each tube for simple visual check

Safety
- Virtually unbreakable during centrifugation, handling and transportation
- all VACUETTE® tubes are sterile
- reproducibility of test results is guaranteed
- fast & reliable test results
- VACUETTE® Sandwich tube with special double wall technology; the ultimate standard for coagulation tests
- incineration of VACUETTE® tubes is environmentally friendly as PET breaks down into 3 natural components: carbon, hydrogen and oxygen

Standards
- VACUETTE® products are US FDA approved
- manufacturing complies with EC directives and US regulations (ISO 9001, ISO 13485, GMP)
- Products can be used according to recommendations by WHO and CLSI

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