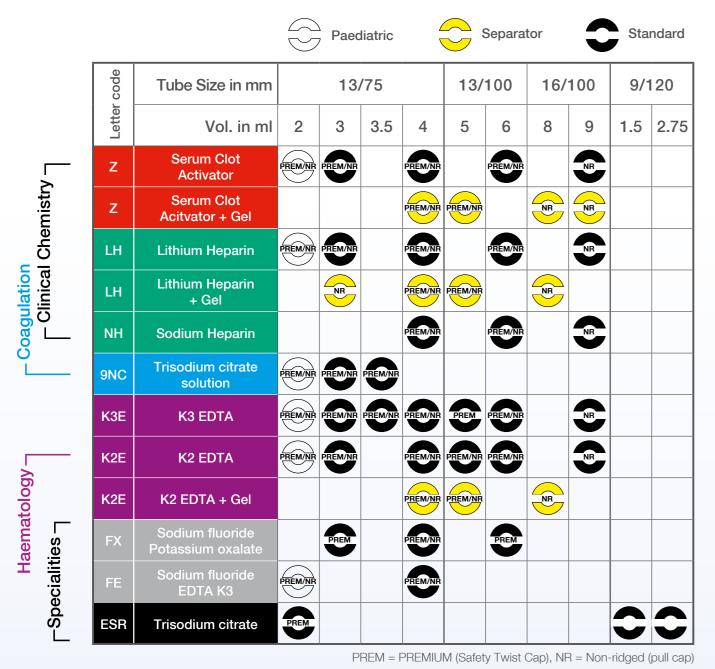
## **VACUETTE®** Specimen Collection System

## Your **Power** for Health



## **VACUETTE**<sup>®</sup> Coagulation

These tubes are used for determinations in citrated plasma for coagulation testing. The recommended, buffered sodium citrate solution 3.2% (0.109mol/l) functions as anticoagulant by chelating calcium. recommended clotting time is >=30 minu- monium salt of heparin per 1ml. Plasma The proportion of blood to sodium citrate tes. Serum Gel Tubes allow storage of cer- Gel Tubes allow storage of certain paraanticoagulant volume is 9:1.

## **VACUETTE**<sup>®</sup> EDTA

## **VACUETTE**<sup>®</sup> Serum

Serum Tubes are used for determinations in serum for clinical chemistry, microbiological, serology, immunology and TDM. The The heparin concentration is standartubes are coated with a clot activator. The dised: 18 I.U. of lithium-, sodium- or amtain parameters under the recommended meters under the recommended storage storage conditions according to their biolo- conditions according to their biological gical half-life in separated serum.

### **VACUETTE**<sup>®</sup> Glucose

EDTA Tubes are used for determinations Glucose Tubes are used for the analysis of Sodium citrate solution 3.2% (0.109 in EDTA whole blood for haematology blood sugar and lactate in stabilised whole mol/l) is the anticoagulant of choice for and immunohaematology. The tube in- blood or plasma. Sodium fluoride is used the measurement of the ESR. The proterior of EDTA Tubes is spray dried with as glycolysis inhibitor to preserve gluco- portion of blood to sodium citrate antico-1.2 - 2mg anhydrous EDTA per 1ml blood. se when combined with an anticoagulant agulant volume is 4:1. such as potassium oxalate or EDTA.

**VACUETTE**<sup>®</sup> Heparin Plasma

The tubes are used for determinations in heparinised plasma for clinical chemistry. half-life in separated plasma.

## **VACUETTE® ESR**



For further information, please visit our website www.gbo.com/preanalytics or contact us:

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> PEFC



## **VACUETTE**<sup>®</sup> **Specimen Collection System**

Our Innovations for Your Safety



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 quantitiy 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.

## Components

Mulitiple Use Drawing Needle or VISIO PLUS Needle



**VACUETTE°** QUICKSHIELD or Standard Tube Holder



**VACUETTE**<sup>®</sup> Tourniquet or VACUETTE° Super-T







**Disposal Containers** 

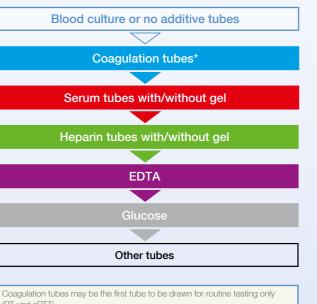
## **VACUETTE**<sup>®</sup> Specimen Collection System



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. The innovative **VACUETTE**<sup>®</sup> system guarantees simple handling and hygiene in order to make your daily work easier.

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

## Recommended order of draw:



Note: Always follow your facility's protocol for order of draw

## **Our Innovations for Your Safety**

The **VACUETTE**<sup>®</sup> 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
- Ionger 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<sup>®</sup> tubes are sterile
- reproducibility of test results is guaranteed
- fast & reliable test results
- VACUETTE<sup>®</sup> Sandwich tube with special double wall technology; the ultimate standard for coagulation tests
- incineration of VACUETTE® tubes is environmental friendly as PET breaks down into 3 natural components: carbon, hydrogen and oxygen

## **Standards**

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