

Evacuated (vacuum) Tube systems



With the Vaku-8 evacuated tube system, the blood is collected directly into the tube during the venipuncture procedure and is a closed system. With the syringe method, the blood from the syringe must be transferred into test tubes after collection and is an open system.

This reduces risky blood exposures to phlebotomist and need to transfer blood to test tubes by Lab technicians and consists of disposable needles and tubes.

MONOCAP

A single moulded rubber stopper in Vaku-8 which facilitates single hand opening, leaving other hand free MONOCAP does not come apart and there is no aerosol formation.

BI-CAP

A butyl rubber stopper that seals Vaku-8 Blood Collection Tubes. It is covered by a plastic cover to help protect laboratory personnel from contact with blood on the stopper or around the outer rim of the tube.

GRIP STOPPER

Blood Drawing over 6 ml fitted with grip stopper.

TYPES OF BLOOD COLLECTION TUBES WITH MONOCAP™ / BICAP



**GEL + BCA TUBE
FOR SERUM COLLECTION**



**NO ADDITIVE TUBES
FOR SERUM COLLECTION**



**HEMO REPELLENT
COATED TUBE
FOR SERUM COLLECTION**



**EDTA TUBE
FOR WHOLE
BLOOD COLLECTION**



**ESR TUBE
FOR WHOLE
BLOOD COLLECTION**



**PT/ PTT TUBES /
CITRATE TUBES
FOR PLASMA COLLECTION**



**HEPARIN TUBE
FOR PLASMA COLLECTION**



**GLUCOSE TUBES
FOR PLASMA COLLECTION**

Venous Blood Collection Tubes

ORDER OF DRAW

COLOR CODE		COLLECTION TUBES	INVERSION TO MIX
YELLOW		BLOOD CULTURE TUBES are used to detect the presence of bacteria or yeast in blood to identify the microorganism present and to guide the treatment.	8-10 Times
BLUE		PT/ PTT TUBES / CITRATE TUBES are designed according to the 1:9 proportions of anti – coagulants and blood samples. Because of the low toxicity of the buffer sodium citrate, blood storage can be for extended period.	3-4 Times
CHERRY RED		NO ADDITIVE + BCA TUBES are used in blood collection and storage for biochemistry, immunology and serology tests. It can provide non contaminated serum specimen for clinical test, while keeping the serum stable over an extended inspection period.	5 Times
GOLD		GEL + BCA TUBE is used for clinical biochemistry and immunology. Inside the tube there is a barrier gel present at the bottom. After centrifugation, the gel barrier can effectively separate the serum from fibrin and cells, while preventing substance exchange between blood cell and serum. As a result, it can keep biochemical characteristic and chemical components of serum stable over a long period.	5 Times
GREEN		HEPARIN TUBE is used in blood collection and anti-coagulation not only for routine clinical biochemistry tests and emergency biochemistry tests but also for some tests items in blood rheology. It is coated with lithium heparin (or sodium heparin on request).	8-10 Times
LAVENDER		EDTA TUBE is widely used in clinical haematology as well as various kinds of blood cell tests instruments. It has EDTA K3/ K2 as anticoagulant.	8-10 Times
GRAY		GLUCOSE TUBES (OXALATE TUBES) applicable blood samples test are : Blood sugar, Sugar tolerance, red blood cell electrophoresis, Alkali – Resistant Hb determination, and sugar dissolution. Anticoagulant used is lithium Iodo Acetate / Sodium fluoride.	8-10 Times
BLACK		ESR TUBE is used in blood collection and anticoagulant for sedimentation rate test. It contains a 3.8% buffered tri-sodium citrate solution (0.129 mol/l) with the mixing ratio of 1 part citrate solution to 4 parts blood. ESR measurement is done as per the Westergren method.	3-4 Times

While using a winged blood collection set for venipuncture and if a coagulation (citrate) tube is the first specimen tube to be drawn then a plain tube should be drawn first. The plain tube must be used to fill the blood collection set tubing's "dead space" with blood but the plain tube does not need to be completely filled. This important step will ensure maintenance of the proper blood – to – additive ratio of the blood specimen. The plain tube should be a non – additive of coagulation tube.

Ref : Report published in California Association for Medical Laboratory Technology Distance Learning Programme

HINDUSTAN SYRINGES & MEDICAL DEVICES LTD. EVACUATED BLOOD COLLECTION TUBES

Examples :

Product Code :

9	2	1	0	0	2	G	L	V
1					6	7	8	9
		2+3		4+5				

[EDTA (K2) 10 ml, 16X100 Tube, Grip Stopper]

Product Code :

6	2	1	7	0	3	G	L	V
1					6	7	8	9
		2+3		4+5				

[EDTA (K2) 7 ml, 13X100 Tube, Monocap]

Products Code :

6	2	1	5	0	4	E	L	V
1					6	7	8	9
		2+3		4+5				

[EDTA (K2) 5 ml, 13X100 Tube, Bi Cap]

Code Details :

- | | |
|--------------------|--|
| 1. Tube size | 6. Cap type (Monocap / Grip Stopper) |
| 2+3. Additive code | 7. Type of tube (Glass / Modified PET) |
| 4+5. Draw Volume | 8. Label (L) |
| | 9. Vacuum (V) |

Code for tube size : 13 mm x 75 mm - 4 ; 13 mm x 100 mm - 6
16 mm x 100mm - 9 ; 8 mm x 120 mm - 2

Code of Cap : Grip Stopper - 2 ; Mono Cap - 3 ; Bi Cap - 4

