



Tube guide & order of draw

July 2018

Order of draw – in situations of multi-sampling, it is recommended to arrange the tubes in the following order

Tube	Volume	Determinations	Instructions
 Green FA Plus Blood culture bottle (410851)		Microbiology	To exclude the possibility of septicaemia 1 set of blood culture bottles: both aerobic and anaerobic. Using a butterfly scalp vein needle only, add 8-10 mLs blood to each bottle (do not overfill). Collect aerobic bottle first. MIX WELL BY GENTLY INVERTING THE BOTTLES 8-10 TIMES. Storage and transportation: room temperature Paediatric bottles are available on request and must be filled with 1-4 mLs of blood
 Orange FN Plus Blood culture bottle (410852)			
 Yellow PF Plus (Paed) Blood culture bottle (410853)			
 Sodium Citrate	2.7 mL (363095)	Coagulation	PR, APTT, INR, Coagulation studies (Note: Coagulation studies require 2 citrate tubes and a 4 mL EDTA tube) Fill to at least Minimum Fill and not over Maximum Fill Line marked on the tube MIX WELL BY GENTLY INVERTING 8-10 TIMES
 ACD	6.0 mL (367756)		Platelet estimation on patients with known history of EDTA induced platelet clumping MIX WELL BY GENTLY INVERTING 8-10 TIMES
 Plain	10.0 mL (367895)	General biochemistry	Number of tubes required: Up to 6 test groups – 1 tube e.g. LFT, Hepatitis, Amylase, TFT, Hormones, Cardiac enzymes More than 6 test groups – 2 tubes MIX WELL BY GENTLY INVERTING 8-10 TIMES
		General serology	
 SST	8.5 mL (367958)	General biochemistry & serology	Cardiac markers, Troponin, U&E, LFT, Lipids, HDL, Amylase, Lipase, Magnesium, Fe studies, Therapeutic drugs, CRP, Vitamin D, Vitamin B12, Glucose General serology, Hormones, Hepatitis serology, RAST, HIV As above, however, limited therapeutic drug levels – refer to specific details in the Pathology Collection Guide for Doctors.
 Lithium Heparin	6.0 mL (367885)	Biochemistry	Chromosome analysis MIX WELL BY GENTLY INVERTING 8-10 TIMES
 EDTA	4.0 mL (367839)	Haematology	FBC, Hb, WCC, Diff, Platelets, ESR, Retics Malarial parasites, however separate tube required Cholinesterase (red cell or plasma), Glycated Hb (HbA _{1c}), Lead, FEP, G6PD, Porphyrins (red cell) EDTA acceptable, however separate tube required
		Biochemistry	
		Molecular genetics	
 EDTA	6.0 mL (367941)	Blood bank	Crossmatch/group & hold, Antibody screen, Blood group (Note: 6 mL EDTA and 4 mL EDTA tube required for all Crossmatch/group & hold) MIX WELL BY GENTLY INVERTING 8-10 TIMES Note: Full patient identification required for Crossmatch/group & hold, Blood group & Ab screen Doctor/Collector must initial tube to verify patient details Transfusion form required with any Crossmatch/group & hold request
		General serology	
 Red Rimmed EDTA	4.0 mL (454003)	Flow cytometry	Lymphocyte surface markers (additional 4 mL EDTA tube required for WCC), CD59, Paroxysmal nocturnal Haemoglobinuria MIX WELL BY GENTLY INVERTING 8-10 TIMES Malarial parasites Haemochromatosis, Factor V Leiden, MTHFR, PGM, HLA B27, Fragile X, Coeliac tissue typing
		Haematology (separate tube required)	
		Molecular genetics (separate tube required)	
 Fluoride Oxalate	4.0 mL (367935)	Biochemistry	Glucose, Blood alcohol (Medical) MIX WELL BY GENTLY INVERTING 8-10 TIMES
 Quantiferon Gold Kit – 1.0 mL each		Immunoserology	Tuberculosis Collect 1 mL of blood into each tube. Shake tubes 10 times firmly enough to ensure inner surface of tubes is coated. Do not spin and keep at room temperature.

Specimen labelling – each tube must be legibly labelled with:

- Surname
- Date of birth
- Date
- Collector's initials
- First name
- Gender (M, F or U)
- Time
- Barcode

NOTE: All BD Vacutainer® tubes require immediate mixing following collection

- Always fill tubes to full volume
- For any other tests please contact the laboratory

HAZARD WARNING: Never inject blood into the tube from the needle and syringe.