



Tube guide & order of draw

April 2019

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

Tube	Volume	Determinations	Instructions
FA Plus (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
FN Plus (410852)			
PF Plus (410853)			
Sodium Citrate	2.7 mL (363095)	Coagulation PR, APTT, INR, coagulation studies (Note: coagulation studies require 2 Sodium 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
Plain	10.0 mL (367895)	General biochemistry Cardiac markers, troponin, U&E, LFT, lipids, HDL, amylase, lipase, magnesium, Fe studies, therapeutic drugs, CRP, vitamin D, vitamin B12, glucose	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 General serology, hormones, hepatitis serology, RAST, HIV	
SST/Gel	8.5 mL (367958)	General biochemistry & serology 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	6.0 mL (367756) ACD MIX WELL BY GENTLY INVERTING 8-10 TIMES An ACD tube may be required for platelet clumping. If so, collect the ACD tube after the Sodium Citrate tube in the order of draw.
		Biochemistry Cholinesterase (red cell or plasma), glycosylated Hb (HbA _{1c}), lead, FEP, G6PD, porphyrins (red cell)	
		Molecular genetics EDTA acceptable, however separate tube required	
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, antibody screen and blood group Doctor/Collector must initial tube to verify patient details Transfusion form required with any crossmatch/group & hold request
		General serology PTH (additional Plain or SST/Gel tube required as well)	
EDTA with gel	5.0 mL (362791)	Biochemistry Homocysteine, renin/aldosterone	MIX WELL BY GENTLY INVERTING 8-10 TIMES
Trace elements	6.0 mL (368381)	Biochemistry Trace elements e.g. Aluminium, selenium, manganese	MIX WELL BY GENTLY INVERTING 8-10 TIMES Note: Plasma zinc and/or plasma copper (please use the Plasma zinc and/or plasma copper kit)
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
		Haematology (separate tube required) Malarial parasites	
		Molecular genetics (separate tube required) Haemochromatosis, Factor V Leiden, MTHFR, PGM, HLA B27, Fragile X, coeliac tissue typing	
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.