









BD Diagnostics
Preanalytical Systems



Tube Guide including recommended order of draw¹

All BD Vacutainer® tubes require immediate mixing following collection

Hemogard™ Closure & Tube Content	Volume	Determinations	Instructions
 Sodium Citrate	2.7 ml	Coagulation Studies, INR, APTT Factor VIII, Protein S and C, AT3, Lupus Anticoagulant, APC Resistance, D Dimer	Tube must be filled to line. Mix sample gently, 4 times to prevent clotting. Note: When using a winged blood collection set for venepuncture a separate sodium citrate tube is drawn and DISCARDED to allow for elimination of dead space within tube.
 ACD	9.0ml	T Cells, Immunophenotyping, CVID, Coeliac GeneTesting (ACDx2)	Mix sample gently.
 Serum Gel SST	8.5 ml	Bile Acids, Lithium, DHEAS, Serum Protein, HIV, Hepatitis, Protein EPP, Free Light Chains, Varicella and Chlamydia Serology, Infectious Diseases Serology, Autoimmune Testing (including ANA, ENA, DNA, RF), Vit D, ASOT, Anti-Dnase B, Hormones, Ca19.9, CEA, CH50/AH50*, PSA, TRAB, Free Testosterone, 17OH Prog, ACA, Allergy Testing, B2GP1	Mix sample gently 8 – 10 times. *Special handling – contact Lab
 Lithium Heparin Gel PSTII	4.5ml	Urea, Electrolytes, Creatinine, LFTs, Lipids, CK, Troponin, Glucose, Iron Studies TFT, BHCG, CRP, Calcium, Magnesium, Phosphate, Lipase, Ammonia*, B12, Folate, Uric Acid, PTH, Amino Acids, Epilim, Digoxin, Vancomycin, Theophylline	Mix sample gently 8 – 10 times. *Please call lab before collecting.
 EDTA	4ml	Hb, FBC, ESR, RBC Folate, Retic, PNH, ACTH*, HbA1C, Cyclosporine, HB, Tacrolimus, Sirolimus, Renin, DCT, Hb EPP (collect serum gel also)	Mix sample gently 8 – 10 times to prevent clotting. *Special handling – contact lab
		Blood Group and antibodies, Cross Match, Anti D titre	When collecting these tests always supply separate specimen
 EDTA	10ml	HIV Viral load (PCR), HIV Resistance, Hep C PCR and Genotype, Genetic Testing (eg. Factor V Leiden, Haemochromatosis), Hep B viral DNA, CMV viral load, HLA-B27	Mix sample gently 8 – 10 times to prevent clotting.
 Fluoride Heparin	6 ml	Trace Metals, Zinc, Lead, Heavy Metal Screen, Ceruloplasmin, Copper, Aluminium	Mix sample gently.
 Fluoride Oxalate	2ml	Blood Glucose Level (if analysis will be delayed), GTT, GLT, Lactate*	*Please phone lab before collecting.

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

ALWAYS LABEL TUBES AND FORMS LEGIBLY. FOR ANY OTHER TESTS PLEASE CONSULT HANDBOOK

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1. NCCLS document H3-A4 "Procedures for the Collection of Diagnostic Blood Specimens by Venepuncture"
CS11.002/Edition 5