







Paediatric tube guide and recommended Order of Draw*

BD Vacutainer®

BD Life Sciences - Preanalytical Systems

North West London Pathology

(Imperial College Healthcare Trust, Chelsea and Westminster Hospital, The Hillingdon Hospitals)

Cap Colour	Cat. No.	Tube Type	Determinations	
	363706	EDTA (MAP)	FBC, reticulocytes, sickle screen, haemoglobin electrophoresis including thalassemia, malaria, G6PD, ESR, IMST, Kleihauer, HbA1c, red cell folate, heavy metal assays (including mercury & lead), troponin (separate tube), CD4 count, T, B and NK cells, HLA-B27, T cell activation markers, primary immunodeficiency panel, periodic fever, T cell gene rearrangement, HIV-1 genotypic resistance, integrase resistance, tropism (V3), PTH, ACTH (rush to lab within 30min), molecular genetics, arsenic, thallium, cadmium, lead, chromium, cobalt, mercury, manganese, Cytogenetics	Mix 8 Times
	a. 367941 b. 363706 c. 367836	a. Crossmatch b. EDTA (MAP) c. EDTA (2ml)	Group and antibody screen crossmatch, direct antiglobulin test (N.B. Full labelling by hand is essential)	Mix 5 Times
	365966	Lithium Heparin	Core chemistry (renal, liver, bone, lipid, cardiac profiles) Cytogenetics, renin and aldosterone (rush to lab), TB elispot, neutrophil function tests, lymphocyte function tests (both tests should be accompanied by blood from a healthy control), ammonia	Mix 5 Times
	365993	Fluoride Oxalate	Alcohol, glucose, lactate	No Mixing Required
	365964	Serum	Haptoglobins, Steroid hormones, tumour markers, aluminium, selenium, zinc, copper chromium, cobalt, mercury, manganese. Thyroid (TFT), drug levels (including lithium), B12, routine endocrine assays, PSA, antibiotic assays, allergy tests, complement C3 and C4, rheumatoid factor, CCP antibodies. Viral and microbiology serology, Immunology antibody tests, functional complement assays (CH50, AP50, antigenic C1 esterase, C3 nephritic factor), anticardiolipin antibodies, IgG subclasses	No Mixing Required
	363093	Sodium Citrate	PT, INR, APTT, TT, D-Dimers, fibrinogen Factor assays- please contact Haematology Laboratory Functional C1 esterase assays	Mix 3-4 Times

Please note: Coagulation investigations may require blood collection into a BD Vacutainer® Citrate, using a BD Vacutainer® blood collection needle / blood collection set. Please consult local guidelines for specific requirements.

Determinations and Special Instructions contained within this guide have been provided by the named institute and are not BD recommendations or instructions for the BD products described. Please consult your organisation's guidelines or contact BD should you have any questions.

*Clinical and Laboratory Standards Institute (CLSI) Guidelines GP42-A6 (formerly H04-A6, 6th Edition)

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IMPORTANT MIXING GUIDELINES

All BD Vacutainer® tubes require immediate mixing following collection. Insufficient mixing can result in inaccurate test results and the need to re-draw. Correct mixing technique is to gently invert (180° and back) each tube the recommended number of times, shown on the right hand side of the table.

