









**ROTUNDA HOSPITAL DEPARTMENT OF LABORATORY MEDICINE LI-GEN-0002 Adult Blood Collection Tube Guide Edition 06**

| Specimen Volume | Order of Draw | Closure Colour  | Tube Contents                  | Assays (Colour of request form indicated by Department colour)   | Special Instructions   | Mixing Instructions                            |
|-----------------|---------------|---|--------------------------------|--|--|--|
| 10 mls          | 1             |    |                                | <b>Microbiology:</b> Blood Cultures, if required, must be drawn prior to any other sample  | 2 Bottles required (Blue and Purple)<br>10ml per bottle.<br><b>Never place in the fridge. Must be received within 4 Hours</b>  |  |
| 3ml             | 2             |    | Trisodium Citrate              | <b>Haematology :</b> Coagulation screen: (PT, APTT, Fibrinogen), INR, APTT Ratio, D-Dimers, Lupus & Thrombophilia studies  | Fill to arrow line on side of tube. Send to lab immediately, 4hrs stability only   | After collection, invert tube 4 times          |
| 4ml             | 3             |    | Serum Gel Clotting Accelerator | <b>Endocrinology:</b> CA 125, Oestradiol, Anti Mullerin Hormone, βHCG, Fructosamine, FSH, LH, Prolactin, Progesterone, SHBG, TFT, Testosterone, Thyroid Antibodies, B12, Folate, Ferritin.<br><b>Haematology :</b> Haemoglobinopathy screen  | <b>Endocrinology:</b> Only one sample required for all endocrinology tests.  | After collection, invert tube 5 – 10 times     |
| 8ml             | 3             |    | Serum Gel Clotting Accelerator | <b>Serology:</b> Antenatal Screen, CMV, Rubella, Syphilis, Hepatitis, HIV, Varicella, Occ Health screen, *Parvovirus, *Toxoplasma, Needle stick, TORCH screen,.  | *Please send second sample<br>Other Serology tests discuss with Lab on Ext 1210  | After Blood Collection, Invert tube 8-10 times |
| 4ml             | 4             |    | Lithium Heparin Gel            | <b>Biochemistry :</b> Albumin, ALP, ALT, Amylase, AST, Bile Acids, Bilirubin, Calcium, Chloride, CK, Creatinine, CRP, U&E, , Fructosamine, GGT, Gent, LDH, Magnesium, Phosphate, Potassium, Sodium, TFTs, Total Protein, Triglyceride, Uric Acid, Urea, *Vancomycin.<br><b>TDL Request form:</b> (Karyotype) (Chromosomes) | <b>Biochemistry:</b> Only one sample required for all biochemistry tests. Samples to arrive in laboratory within 4 hours.<br><br>Fasting Specimens: Bile acids (min 4 hrs)<br>*Please send second sample   | After collection, invert tube 5 – 10 times     |
| 3ml             | 5             |   | EDTA                           | <b>Haematology :</b> FBC, Blood Film Review, ESR, Kleihauer, Malaria, Adult Molecular Genetics, Homocysteine, Haemoglobinopathy screen, Sickle Screen, Infectious Mononucleosis.<br>CD4 counts /lymphocytes subset<br><b>TDL Request form:</b> : Molecular Genetics<br><b>Biochemistry :</b> HbA1c                         |  | After Blood Collection, Invert tube 8-10 times |
| 9ml             | 5             |  | EDTA                           | <b>Blood Transfusion :</b> Antenatal Blood Group, Group and save, Crossmatch, Anti-D Quantitation, Anti c Quantitation, Flow (FMH).<br><b>Serology:</b> HIV PCR /Viral load, Hepatitis PCR / Viral Load.   | <b>Adult BT samples must be handwritten and labelled with full name, DOB, chart number and drawer's signature</b><br><b>Serology:</b> PCR samples must be brought to the laboratory immediately before 2pm | After Blood Collection, Invert tube 8-10 times |
| 4ml             | 6             |  | Sodium Fluoride                | <b>Biochemistry:</b> Lactate, Glucose  | Collection time must be written on the specimen tube and form<br><b>Samples for lactate analysis should be analysed on the Blood gas analysers. I</b>  | After collection, invert tube 5 – 10 times     |