

## Pathology blood sample collection tubes for Infants and Children

Tubes listed in order of draw. Colours of tests refer to **Chemical Pathology tests (green)**, **Haematology/Immunology tests (red)** or **Microbiology tests (blue)**.

Tube type for Infants/Children	TESTS Each line requires 1 ml of sample. Separate tubes are required for each department	Neonates or capillary samples.
 <b>1.8 ml Translucent blue top, Citrate</b>	<b>Clotting screen, INR</b> <b>Von Willibrand Factor (3 tubes required)</b> <b>Lupus Anticoagulant (3 tubes required)</b>	1 ml light blue top minicollect Minicollect not suitable
 <b>3.5 ml rust top, Clotting accelerator and separation gel</b>	Viral and Bacterial antibodies including TORCH screen, ASOT Mycoplasma, Toxoplasmosis, Aspergillus serology Teicoplanin <b>B12, folate, ferritin,</b> <b>AIP, Ig, TTG (Coeliac Screen), TPO, ANA</b> <b>Alpha 1 antitrypsin (+ Pi type), haptoglobin</b> <b>Anti-Gad, anti-IA2, anti-islet cells, &amp; other auto antibodies</b> <b>IgE + allergens (RAST) (500uL + 100uL per allergen requested)</b> <b>Complement, C3/C4, ANCA, C1 Inhibitor</b> <b>Rheumatoid factor, Anti ds DNA, RA latex, Cardiolipin</b> <b>Neuronal/ganglioside Antibodies</b> <b>Growth hormone, IGF1, IGFBP3</b> <b>DHEAS, Androstenedione</b> <b>Vitamin D</b> Routine chemistry tests: <b>U&amp;E, LFT, Bone profile, CRP, CK, Lipids, Magnesium, Uric Acid,</b> <b>Iron, TFSat, AST, Gamma GT</b> <b>TSH, FT4 &amp; FT3, Troponin T, AFP, hCG</b> <b>LH, FSH, Prolactin, Testosterone, Oestradiol, Progesterone, Cortisol</b> <b>Insulin - send to lab immediately</b> <b>Tobramycin, Gentamicin, 17OHP,</b> <b>Caeruloplasmin, Carotene, Serum osmolality</b>	1 ml red top minicollect - <i>if tests from more than one line are required, please use larger paediatric tubes</i> 800 uL green top minicollect – <i>if tests from more than one line are required, please use larger paediatric tubes</i>

 <p><b>2 ml translucent green top, Lithium Heparin</b></p>	<p>TB T-Spot test– please contact Microbiology to discuss volume</p> <p>Vitamin A and Vitamin E</p> <p>Amino acids - <i>to be sent to laboratory immediately</i></p> <p>Galactosaemia Screen –<i>send Monday-Thursday only</i></p> <p>VLCFA (2 mL blood required)</p> <p>Phenobarbitone, Valproate, Carbamazepine, Phenytoin, Theophylline</p> <p>Acylcarnitines</p>	<p>Minicollect not suitable</p> <p>800 µL green top minicollect</p> <p>1 ml red top minicollect</p> <p>Blood Spots on Guthrie Card</p>
 <p><b>2 ml translucent purple top, EDTA</b></p>	<p>Hep B &amp; C PCR, meningococcal PCR, EBV PCR</p> <p>Viral Load</p> <p>FBC, film, viscosity</p> <p>ESR – <i>note: min 1.8 ml blood required</i></p> <p>Disease specific HLA</p> <p>Haemoglobinopathy Screen (Hb electrophoresis)</p> <p>Glandular Fever (IM) Monospot</p> <p>G6PD screening test</p> <p>HbA1c</p> <p>PTH</p> <p>Tacrolimus (FK506), Ciclosporin, Mycophenolate</p> <p>Lead</p> <p>Blood Porphyrins - <i>call duty biochemist to discuss first</i></p> <p>TPMT</p> <p>Ammonia – <i>to be sent to laboratory immediately on ice</i></p> <p>White Cell Enzymes –<i>send Monday-Thursday only</i></p> <p>Biotinidase - <i>Send to lab immediately</i></p> <p>Homocysteine - <i>Send to lab ON ICE within 15 minutes</i></p> <p>Renin/Aldosterone Ratio – <i>send to the laboratory immediately.</i></p>	<p>1 ml purple top minicollect - <i>if tests from more than one line are required, please use larger paediatric tubes</i></p>
 <p><b>2 ml pink top, EDTA for crossmatch</b></p>	<p>Transfusion: cross match, group &amp; save, Direct Antiglobulin Test (Coombs Test)</p>	<p>1 ml purple top minicollect</p>
 <p><b>2 ml grey top, Fluoride Oxalate</b></p>	<p>Glucose</p> <p>Lactate - <i>must reach the laboratory within one hour of collection</i></p> <p>Free fatty Acids</p> <p>B OH B</p>	<p>250 µL grey top minicollect</p>
 <p><b>2 ml white top/ orange tube (Supplied by Chemical Pathology)</b></p>	<p>Copper, Zinc, Selenium</p>	<p>Minicollect not suitable</p>

**Note: The information in this document is correct at the time of issue but updates may have been made since publishing.**

The most up-to-date information and further details about all pathology tests can be found at: <https://www.gloshospitals.nhs.uk/our-services/services-we-offer/pathology/tests-and-investigations/> as these pages are regularly updated.