

ALL TEST LISTING

A			
	ABG	Arterial blood gas syringe	Collect and transport on ice, must reach lab within 1 hour of collection.
	Abnormal Haemoglobin Screen	4 ml EDTA (Purple top)	Send whole blood. DO NOT separate plasma.
	ABO & RH Group	4 ml EDTA (Purple top)	
	ABPA - Aspergillus Precipitins (Fungal precipitins,)	Clotted Blood 10 ml (Gold top).	Aspergillosis
	Abscess	Pus/Fluid in a sterile container	
	Acanthamoebae	Special media required. Special media required.	Contact laboratory for transport instructions.
	ACE - Angiotensin Converting Enzyme	Clotted Blood 10 ml (Gold top) keep cold.	Collect and store sample on ice if separation of sera is likely to be more than 30 mins.
	Acetoacetate	1 ml Serum/Plasma	Ketostix may be used as a screen. Cannot be performed on haemolysed sample.
	ACHR Ab, ACR - Anti Acetylcholine Receptor Antibody	Clotted Blood 10 ml (Gold top).	Myasthenia gravis
	Acid Fast Bacilli AFB, TB, Mycobacteria)	Various specimens	For urine culture, 3 early morning specimens collected on consecutive days. Min. volume = 20 mls.
	ACTH Adrenocorticotrophic Hormone	Blood 4ml in K-EDTA (Mauve top) on ice.	Sample must be collected on ice.
	ACP Acid Phosphatase	10 ml Clotted blood (Gold top)	Serum must be separated within 6 hrs of collection
	ACR - ACHR Ab Anti Acetylcholine Receptor Antibody	Clotted Blood 10 ml (Gold top).	Myasthenia gravis
	ACTH - Adrenocorticotrophic Hormone	Blood 5ml in K-EDTA (Mauve top) on ice.	
	Activated Partial Thromboplastin Time (APTT)	Blood 4.0 ml in Na Citrate (Blue top).	For patients on UFH, centrifugation of the specimen must occur within 1 hr from collection. Forward to lab as an "Urgent" request
	Activated Protein C Resistance (APCR, Factor V Leiden, FVL)	Blood 4 ml Na Citrate (Blue top).	DNA analysis routinely performed for requests of either Activated Protein C Resistance or Factor V Leiden. Please give clinical notes on form.
	ADB (Streptococcal antibodies) (Anti DNase B antibody)	Clotted Blood 10 ml (Gold top).	

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ADNA/DNA Antibody - Anti DNA Double Stranded,	Clotted Blood 10 ml (Gold top).	SLE (Lupus)
Adenosine Deaminase	Pleural/Peritoneal Fluids, CSF (0.5 ml minimum).	
Adenovirus Detection	Naso-pharyngeal aspirate. Nose and throat swabs, eye swab in viral transport medium. Faeces in sterile container.	Transport to the laboratory immediately.
Adenovirus Serology	Clotted Blood 10 ml (Gold top).	Paired sera preferred.
Adrenalin / Noradrenaline (Catecholamines) - Blood (Epinephrine, ADREN, Clonidine Suppression Test)	Blood - 10 ml Lithium Heparin	Sample must be collected on ice.
Adrenocorticotrophic Hormone (ACTH)	Blood 4ml in K-EDTA (Mauve top) on ice.	
AFB, Acid Fast Bacilli TB, Mycobacteria)	Various specimens	For urine culture, 3 early morning specimens collected on consecutive days. Min. volume = 20 mls.
AFP Alpha Fetoprotein	Clotted Blood 10 ml (Gold top).	
Air Sampling (Bacteria / Fungi)	Air sample.	Please contact Laboratory to discuss sample collection.
Alanine Aminotransferase	Clotted Blood 10 ml (Gold top)	Included in LFT.
Albumin - Serum	Clotted Blood 10 ml (Gold top)	Included in LFT.
Albumin in Urine - Microalbuminuria	Timed overnight urine collection in a container with no preservative or early morning spot urine.	Please note collection start and finishing times on the request form.
Albumin/IgG ratio - CSF	CSF 0.5 ml in sterile CSF container with no preservative.	Oligoclonal bands is the preferred test.
Aldolase	Test no longer available in Australia.	
Aldosterone (paired with renin 4ml EDTA)	Clotted Blood 10 ml (Gold top)	Record patient posture (erect, ambulant or supine) during collection. Specimens must arrive in laboratory within 2 hours of collection. Send with paired Renin specimen.
Aldosterone (Urine)	24 hr urine (no preservative).	
Alkaline Phosphatase Isoenzymes (ALP)	Clotted Blood 10 ml (Gold top).	

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Allergy Testing (RAST, specific IgE)	Clotted Blood 10 ml (Gold top).	Please list allergens to be tested. Maximum of 4 patient episodes per 12 months.
Allopurinol (Oxypurinol)	Blood 4 ml in K-EDTA (Mauve top).	Contact laboratory for further information. Monitoring allopurinol treatment
ALP - Alkaline Phosphatase	Clotted Blood 10 ml (Gold top)	Included in LFT.
APCR - Factor V Mutation analysis (Leiden)	Blood 4 ml in K-EDTA (Mauve top) or Na Citrate (Blue top).	DNA analysis routinely performed for requests of either Activated Protein C Resistance or Factor V Leiden. Please give clinical notes on form.
Alpha Fetoprotein - AFP	Clotted Blood 10 ml (Gold top).	
Alpha Fetoprotein - AFP (Maternal) (Neural tube defect NTD)	Clotted Blood 10 ml (Gold top).	
Alpha Galactosidase	6-10 mls whole blood in K- EDTA (Mauve top).	
Alpha Glycoprotein Subunit (TSH, LH, FSH, HCG)	Clotted Blood 10 ml (Gold top) on ice.	Cancer pituitary
Alpha-1-Anti trypsin	Clotted Blood (Gold top) 10 ml	
Alpha-1-Antitrypsin Clearance (Faecal)	Clotted Blood 10 ml (Gold top) plus 3 day faecal collection in preweighed tin.	Blood should be collected during the 3 day faecal collection period.
Alpha-1-Antitrypsin Phenotyping	Clotted Blood 10 ml (Gold top)	
Aluminium	Clotted Blood 10 ml (Gold top) in special acid washed container available from lab.	
AMA - Anti Mitochondrial Antibodies	Clotted Blood 10 ml (Gold top).	Hepatitis
AMH - Anti Mullerian Hormone	Clotted blood 10 ml (Gold top) or blood 4 ml in Li-Heparin (Green top).	
Amikacin	Clotted Blood 10 ml (Gold top).	
Amino Acid - Plasma	Blood 10 ml in Li Heparin (Green top) no gel.	
Amino Acid - Urine	Fresh spot urine no preservative.	
Amiodarone (Cordaron)	Clotted Blood 10 ml in Li Heparin (no gel) or clotted blood 10 ml (Gold top).	State time of last dose, frequency and duration. Refrigerate tubes at 4oC ASAP.

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Ammonia (NH3) - Blood	Blood - Contact the laboratory for a special ammonia free container.	
Ammonia (NH3) - Urine	Urine with minimal air space. Lab must be notified before collection. Min vol 2.0 mL.	
Amniotic Fluid Examination (Foetal Lung Maturity)	10 mls of amniotic fluid in sterile container.	
Amoebiasis - Microscopy	Faeces less than half an hour old.	Send up to 2 specimens collected on separate days to optimise detection.
Amoebic antigen test	Fresh faeces 5-10g (walnut size) in a sterile container.	Used to differentiate E.histolytica from E.dispar.
Amoebic Serology (See Entamoeba histolytica serology)	Clotted Blood 10 ml (Gold top)	
Amphetamines - Qualitative	Spot Urine with no preservative.	
Amphocil	Blood 10 ml in Lithium Heparin (Green top).	
Amphotericin (Amphocil)	Blood 10 ml in Lithium Heparin (Green top).	
Amylase - Serum	Clotted Blood (Gold top)	
Amylase - Urine	Spot Urine 20 ml in sterile container.	
ANA - ANF - Anti Nuclear Factor (Centromere antibodies, Lupus antibody, ,	Clotted Blood 10 ml (Gold top).	SLE (Lupus)
Anaerobic Culture	Fluid or Pus in stoppered syringe or sterile container.	
ANCA - PR3 (Anti PR3)	Clotted Blood 10 ml (Gold top).	Vasculitis
Androgens (FAI)	Clotted Blood 10 ml (Gold top). Plasma.	
Androstenedione	Clotted Blood 10 ml (Gold top)	
ANF - Anti Nuclear Factor (Centromere antibodies, Lupus antibody, , ANA)	Clotted Blood 10 ml (Gold top).	SLE (Lupus)
Angiotensin Converting Enzyme (ACE)	Clotted Blood 10 ml (Gold top) keep cold.	Collect and store sample on ice if separation of sera is likely to be more than 30 mins.
Antenatal Group and Screen	Blood 10 ml in K-EDTA (Mauve top).	Please specify individual tests required. State pregnancy history
Anthrax		Contact Clinical Microbiologist.

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Anti Acetylcholine Receptor Antibody (ACHR Ab, ACR)	Clotted Blood 10 ml (Gold top).	Myasthenia gravis
Anti Adrenal Antibodies	Clotted Blood 10 ml (Gold top).	Addison's Disease
Anti AM2 antibodies	Clotted blood 10 ml (Gold top).	
Anti Cardiolipin Antibody - IgG	Clotted Blood 10 ml (Gold top).	Anti Phospholipid Syndrome
Anti Cardiolipin Antibody - IgM	Clotted Blood 10 ml (Gold top).	Specific request needed.
Anti Centromere Antibody	Clotted Blood 10 ml (Gold top).	Performed as part of ANF screen.
Anti Collagen Antibodies	Clotted Blood 10 ml (Gold top) on ice.	Polychondritis, Rheumatoid arthritis
Anti Cyclic Citrullinated Antibodies(CCP, Anti CCP)	Clotted Blood 10 ml (Gold top).	Rheumatoid Arthritis
Anti DNA (Double Stranded, ADNA/DNA Antibody)	Clotted Blood 10 ml (Gold top).	SLE (Lupus)
Anti DNaseB - Streptococcal	Clotted Blood 10 ml (Gold top).	Performed in conjunction with ASOT.
Anti Endomysial Antibodies (EMA)	Clotted Blood 10 ml (Gold top).	Coeliac disease
Anti GAD Antibodies, Anti IA2 Antibodies, Anti Islet Cell Antigen-2 Antibodies.	Clotted blood 10 ml (Gold top) or blood 4 ml in K-EDTA (Mauve top).	
Anti Ganglioside (GMI) Antibodies (GM-1 antibody)	Clotted Blood 10 ml (Gold top).	Demyelinating peripheral neuropathies
Anti Ganglioside Antibodies (GQ1B)	Clotted blood 10 ml (Gold top).	
Anti Gliadin Antibodies (Anti Gliadin IgG antibodies, gluten antibodies, Coeliac screen)	Clotted Blood 10 ml (Gold top).	Coeliac disease
Anti Glomerular Basement Membrane (GBM)	Clotted Blood 10 ml (Gold top).	Goodpastures Syndrome
Anti IgA Antibodies	Clotted Blood 10 ml (Gold top).	IgA deficiency
Anti Intrinsic Factor Antibodies (IFA)	Clotted Blood 10 ml (Gold top).	Pernicious anemia

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Anti Islet Cell Antibodies (Pancreatic Islet Cell Antibodies)	Clotted Blood 10 ml (Gold top).	Diabetes mellitus type 1
Anti LKM Antibodies (Liver, Kidney, Microsomal Antibodies)	Clotted Blood 10 ml (Gold top).	Hepatitis
Anti Mitochondrial Antibodies (AMA)	Clotted Blood 10 ml (Gold top).	Hepatitis
Anti MPO Antibody (Myeloperoxidase)	Clotted Blood 10 ml (Gold top).	Vasculitis
Anti Mullerian Hormone (AMH)	Clotted blood 10 ml (Gold top) or blood 4 ml in Li-Heparin (Green top).	
Anti Myocardial Antibodies (Heart Antibodies, Cardiac Muscle Antibodies, Cardiac Auto Antibodies)	Clotted Blood 10 ml (Gold top).	Dressler's Syndrome
Anti Neuronal Antibodies (Anti Hu, Anti Yo, Anti Ri, Purkinje)	Clotted Blood 1.0 ml (Gold top)	Autoimmune disease of CNS
Anti Neutrophil Cytoplasmic Antibodies (ANCA)	Clotted Blood 10 ml (Gold top).	Vasculitis
Anti Nuclear Factor (Centromere antibodies, Lupus antibody, ANF, ANA)	Clotted Blood 10 ml (Gold top).	SLE (Lupus)
Anti Ovarian Antibodies	Clotted Blood 10 ml (Gold top).	Ovarian failure
Anti Parietal Cell Antibody (PCA, gastric parietal cell antibodies)	Clotted Blood 10 ml (Gold top).	Pernicious anaemia
Anti Pituitary Antibodies	Clotted blood 10 ml (Gold top).	
Anti PR3	Clotted Blood 10 ml (Gold top).	Vasculitis
Anti Promyelocytic Leukaemia Antibody (PML Ab)	Bone marrow in Lithium heparin (Green top) without gel or in Na Heparin.	Specimen to be kept at room temperature.
Anti Reticulin Antibodies	Clotted Blood 10 ml (Gold top).	Coeliac disease
Anti Ribosomal Antibodies	Clotted Blood 10 ml (Gold top).	SLE

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Anti Saccharomyces Antibodies	Clotted Blood 10 ml (Gold top).	Crohns Disease/Ulcerative colitis
Anti Salivary Gland Antibodies (SGA, Salivary duct antibodies)	Clotted Blood 10 ml (Gold top).	Sjogren's Syndrome
Anti Skeletal Muscle Antibody (Striated muscle antibodies)	Clotted Blood 10 ml (Gold top).	Myasthaenia gravis
Anti Skin Antibodies (Pemphigus antibodies, Pemphigoid antibodies)	Clotted Blood 10 ml (Gold top).	Pemphigus, Pemphigoid
Anti Smooth Muscle Antibody (ASM)	Clotted Blood 10 ml (Gold top).	Autoimmune hepatitis
Anti Streptolysin "O" Titre (ASOT, Streptococcal Antibody, scarlet fever)	Clotted Blood 10 ml (Gold top).	Performed in conjunction with ADB.
Anti Testicular Antibody	Clotted Blood 10 ml (Gold top).	
Anti Thrombin III	R Citrate 4 ml (Blue Top)	R On ice Deliver Urgently to IMVS
Anti Thyroid Antibodies	Clotted Blood 10 ml (Gold top).	Hashimotos Disease, Graves Disease.
Anti Transglutaminase Antibodies (Tissue Transglutaminase IgA Antibody, TTG, Coeliac screen)	Clotted Blood 10 ml (Gold top).	Coeliac Disease
Anti trypsin Alpha-1	Clotted Blood (Gold top) 10 ml	
Anti Xa (Anti-10 Assay; Xa assay, Clexane assay, Heparin assay.)	Blood 4ml in Na Citrate (Blue top).	Take at mid-interval between doses. State drug used for treatment.
Anti-Liver Cytosol Type 1 Antibodies (LC-1, LC1)	Clotted Blood 10 ml (Gold top).	Autoimmune Hepatitis type 1 or 2.
Anti-Soluable Liver Antigen (SLA antibody)	Clotted Blood 10 ml (Gold top).	Autoimmune Hepatitis type 1 or 2.
Antibodies in Saliva (IgA)	Saliva in sterile container.	
Antibody Investigations and Titration (Blood Group related)	Blood 2 x 10 ml in K-EDTA (Mauve top).	Includes pretransfusion, antenatal, postnatal investigations, and antibody titrations.
Antibody Screening (Blood group related)	Blood 10 mL in K-EDTA (Mauve top).	

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Antidiuretic Hormone (ADH, Vasopressin)	Blood 10 ml in K-EDTA (Mauve top) on ice-water.	SIADH and diabetes insipidus
Antithrombin (AT, ATIII, Antithrombin III)	Blood 4.0 ml in Na Citrate (Blue top).	State history of thrombosis. State if on heparin.
APCR, Activated Protein C Resistance (Factor V Leiden, FVL)	Blood 4 ml Na Citrate (Blue top).	DNA analysis routinely performed for requests of either Activated Protein C Resistance or Factor V Leiden. Please give clinical notes on form.
Apolipoprotein B:A1 Ratio (APO B:A1 Ratio)	Blood 10 ml (Li Heparin or Gold top).	Measures protein portion of HDL & LDL lipoproteins rather than lipid portion. Performed when routine lipids show a mixed pattern including cholesterol and triglycerides.
Apolipoprotein E Genotyping (APO E)	Blood 10 ml in Li Heparin non gel container or 4 ml K-EDTA (Mauve top).	
APTT - Coagulation Studies	Blood 4.0 ml in Na Citrate (Blue top).	Correct volume in the container is critical. Call any laboratory to discuss collection difficulties.
Arbovirus Serology (Common (tested laboratory) Ross River virus, Barmah Forest virus, Dengue. Uncommon (tested interstate) Japanese B encephalitis, Kunjin, Murray Valley encephalitis, West Nile virus, Yellow Fever virus.)	Clotted Blood 10 ml (Gold top).	Specify which virus and whether IgG or IgM is required. Travel history to endemic area and date of onset of symptoms. Immunisation status.
Arsenic (blood) (APCR)	Blood 4 ml in K-EDTA (Mauve top).	History of thrombosis
Arsenic Urine	Recommended: Urine 24 h in metal free container with 50 ml 2.4 M nitric acid preservative.	
Asbestos Bodies	Sputum in sterile container.	
Ascariasis Serology	Antibody test is not available. Please submit faeces for examination of ova and parasites.	
Ascitic Fluid - Biochemistry	Fluid in sterile container plus Clotted Blood (Gold top) 5 ml.	

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Ascitic Fluid - Microbiology	Fluid in sterile container plus 8-10 ml in each of two blood culture bottles.	
ASM - Anti Smooth Muscle Antibody	Clotted Blood 10 ml (Gold top).	Autoimmune hepatitis
ASOT - Anti Streptolysin "O" Titre (, Streptococcal Antibody, scarlet fever)	Clotted Blood 10 ml (Gold top).	Performed in conjunction with ADB.
Aspartate Aminotransferase	Clotted Blood 10 ml (Gold top)	
Aspergillus Precipitins (Fungal precipitins, ABPA)	Clotted Blood 10 ml (Gold top).	Aspergillosis
Astrovirus	Faeces walnut size or 5-10 ml if fluid.	Test only during outbreaks and after consultation with Communicable Diseases Control Branch. Collect as soon as possible after onset of symptoms. Note date of onset of symptoms on the request form.
Atazatavir (Reyataz)	Blood 4 ml in K-EDTA (Mauve top).	
Atypical Pneumonia Serology	Clotted Blood 10 ml (Gold top).	Please identify specific organisms to be tested e.g., Legionella, mycoplasma pneumoniae, Chlamydia psittacae.
Avian precipitins (Bird fanciers disease, pigeon precipitins, budgerigar precipitins, poultry precipitins)	Clotted Blood 10 ml (Gold top).	Hypersensitivity pneumonitis
Avian Precipitins (Bird Fancier's Lung)	Clotted Blood 10 ml (Gold top).	

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B			
	B12	Clotted blood 10ml (Gold Top)	Fasting specimen preferred
	B cell translocation (Bcl-1, t11:14 translocation)	Blood in Li Heparin or K-EDTA (Mauve top) fresh tissue or paraffin embedded tissue.	A separate specimen is required for this test. Lymphoma
	Barbiturates - Qualitative	Spot urine with no preservative.	
	Barmah Forest Virus - Serology - specify IgM or IgG antibody	Clotted Blood 10 ml (Gold top).	Specify whether IgG or IgM is required.
	Bartonella Henselae - Serology (Cat Scratch Fever)	Clotted Blood 10 ml (Gold top).	Date of onset and symptoms
	Bcl - 1	Lithium Heparin 8ml (Green Top)	
	BCR-ABL Mutation Analysis	Blood 2x10 ml in K-EDTA (Mauve top) or Bone Marrow 4 ml in K-EDTA.	Store at room temperature and send to lab within 24 hours. Disease status and therapy.
	BCR/ABL quantitation (BCR-ABL QPCR)	Blood 2 x 10 ml in K-EDTA (Mauve top) or Bone Marrow 4 ml in K-EDTA.	Store at room temperature and transport to laboratory within 24 hrs. Disease status and therapy
	Bee Venom Specific IgE	Clotted Blood 10 ml (Gold top).	
	Bee Venom Specific IgG	Clotted Blood 10 ml (Gold top).	
	Bence Jones Protein (BJP, Urine electrophoresis)	Urine 24 h with no preservative or spot urine.	Multiple myeloma
	Benzodiazepine (Qualitative)	Spot urine, no preservative.	
	Benzodiazepine (Quantitative)	Clotted Blood 10 ml (Gold top).	
	Beryllium	Spot urine. No preservative.	Occupational exposure to Beryllium

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Beta 2 Glycoprotein Antibody (B2GP1)	Clotted Blood 10 ml (Gold top).	Anti phospholipid syndrome
Beta 2 glycoprotein I antibodies (B2GP1)	Clotted blood 10 mL (Gold top)	Anti phospholipid syndrome
Beta 2 Microglobulin - Blood (B2M)	Clotted Blood 10 ml (Gold top).	
Beta 2 Microglobulin - Urine (B2M)	Spot urine with no preservative. Morning specimen preferred, 1.0 mL minimum.	
Beta 2 Transferrin	Discharge fluid 0.5mL in sterile CSF container.	Used for detection of CSF in suspected rhinorrhea or otorrhea.
Beta Hydroxy Butyrate	1ml Serum/Plasma.	
Betaferon	Clotted Blood 10 ml (Gold top)	
BGP - Bone Gla Protein	Clotted Blood 10 ml (Gold top).	Synonym for osteocalcin.
Bile Salts (Bile Acid)	Clotted Blood 10 ml (Gold top)	Fasting sample preferred.
Bilirubin - Conjugated	Clotted Blood 10 ml (Gold top)	A specific request is required for this test.
Bilirubin - Total	Clotted Blood 10 ml (Gold top)	Included in LFT.
Bilirubin Paediatric	Blood, minimum volume of 300 microlitres.	Protect from light & transport to Laboratory as soon as possible.
Binding Protein 3 (FBP3) or (Ig FBP3)	Clotted blood 10 ml (Gold top).	
Biogenic Amines (CATS, VMA)	Urine 24h with 50 mL 2.4M HCl preservative.	Contact laboratory for dietary and drug restrictions.
BJP, Urine electrophoresis) Bence Jones Protein	Urine 24 h with no preservative or spot urine.	Multiple myeloma
BJP, Urine electrophoresis) Bence Jones Protein	Spot urine. No preservative.	Multiple myeloma
BK Virus PCR (Polyomavirus)	Urine, CSF, Clotted Blood 10 ml (Gold top)	
Blood Culture	Blood 5 - 6 ml in each of two blood culture bottles. 2-3 sets per febrile episode.	Special requirements for fungi and mycobacterial cultures. Please contact laboratory for assistance.
Blood Gases	Arterial Blood 1ml in blood gas syringe on ice.	Samples must be placed into iced water if transport to the laboratory exceeds 10 mins.

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Blood Group and Antibody Screen (Type & Screen, Group & Screen, group & Hold)	Blood 10 ml in K-EDTA (Mauve top).	For Pretransfusion testing and antenatal blood group serology. State pregnancy, transfusion history
Blood Group and Crossmatch (Group and Match, G&M)	Blood 10 ml in K-EDTA (Mauve top).	
Blood Group Gene Analysis (RhC, RhD, RhE, Duffy and S available)	Chorionic villi or amniotic fluid for prenatal diagnosis. Otherwise 4 ml K-EDTA blood. Blood sample from the mother is required to rule out maternal contamination of the foetal sample.	Samples should be referred through the Transfusion Service or an Obstetrician.
BNP Non serum (Brain Natriuretic Peptide)	4 ml EDTA (Purple top)	This test is only done by Gribbles laboratories in Australia for research purposes. A feepayable by the patient for any testing will apply as the test is not listed as an MBS item.
BNP Serum (Brain Natriuretic Peptide)	1 ml minimum in Gold Top SST Tube	This test is only done by Sullivan Nicholaides laboratories in NSW for research purposes. A feepayable by the patient for any testing will apply as the test is not listed as an MBS item.
Bone	Clotted Blood 10 ml (Gold top).	
Bone Gla Protein (BGP)	Clotted Blood 10 ml (Gold top).	Synonym for osteocalcin.
Bone Marrow Biopsy	Bone Marrow Aspirate and Biopsy.	Contact Mile End Patient Centre for information.
Bordetella Pertussis PCR (Whooping cough)	Nasopharyngeal Swab/Aspirate throat or nasal swab, or Sputum. NPA kits available from 8222 3997.	
Bordetella Pertussis Serology	Clotted Blood 10 ml (Gold top).	IgA antibody detection only.
Brain Biopsy		Phone laboratory for advice.
Brain Smear		Phone laboratory for advice
Breast (Aspirated Material)	Contact Mile End laboratory to organise booking	
Breast (Nipple) Discharge	Prepared slides forwarded in appropriate slide mailer boxes.	Slides both air-dried and spray fixed advisable.
Breast Cancer Gene Analysis (BRCA1, BRCA2)	Blood 25 ml K-EDTA (Mauve top) Sample must be received by lab within 24 h of collection.	Store samples at room temperature. Contact laboratory for further assistance or through the SA Clinical Genetic Service at the WCH.
Breast Cancer Gene Rearrangements	10 ml K-EDTA (Mauve top).	Store at RT. Patients can only be referred through SA Clinical Genetics Service at WCH.

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Breast Hormone Receptors	Tissue in 10% formalin. Proper fixation requires the volume of formalin to be 10 times that of the tissue.	
Bromazepam	Clotted Blood 10 ml (Gold top).	
Bromide (Methyl)	Blood 10 ml in Li Heparin (Green top) no gel or 4 ml K-EDTA.	
Bronchial Biopsy	Tissue in 10% formalin. Proper fixation requires the volume of formalin to be 10 times that of the tissue.	Contact laboratory for assistance.
Bronchial Brushings (Cytology)	Prepared slides.	Slides should be spray fixed.
Bronchoscopy Specimens - Virology	Various bronchoscopy specimens in 2 ml viral transport medium.	Rapid antigen detection, culture or PCR performed as indicated by clinical history.
Brucellosis Serology	Clotted Blood 10 ml (Gold top).	
BSL - Glucose Sugar	Blood 2 ml in Fluoride EDTA (Grey top).	
Bullous Pemphigoid antibodies (Skin antibodies)	Clotted Blood 10 ml (Gold top).	
BUN - Electrolytes	Clotted Blood 10 ml (Gold top).	
Bupivacaine	Blood 10 ml in Li Heparin (Green top).	
Buprenorphine	Spot urine, no preservative.	
Bone Marrow 4 ml K-EDTA	Specimen must be kept at room temperature and received in laboratory within 24 hrs of collection.	

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C			
	C 1 Esterase Plasma	EDTA 4 ml	Collect and transport on ice URGENT delivery to IMVS
	C-Peptide	Clotted Blood 10 ml (Gold top).	Fasting specimen is required.
	C-Reactive Protein (CRP)	Clotted Blood 10 ml (Gold top)	
	C-Reactive Protein - Low Level (Low level CRP, LRP)	Clotted Blood 10 ml (Gold top).	Cardiovascular disease
	C1-Esterase Inhibitor (C1 inhibitor, C1esterase)	Blood 4 ml in K-EDTA (Mauve top) on ice.	Hereditary angio oedema
	C3 Nephritic Factor	10 ml Clotted Blood (Gold top) AND 10 ml Whole Blood in K-EDTA (Mauve top). Minimum 1 mL blood in each.	
	CA - calcium	Clotted Blood 10 ml (Gold top).	Included in LFT
	CA125	Clotted Blood 10 ml (Gold top).	
	CA15-3	Clotted Blood 10 ml (Gold top). Li Heparin NOT suitable.	
	CA19-9	Clotted Blood 10 ml (Gold top).	
	Cadmium - Blood	Blood 4 ml in K-EDTA (Mauve top).	
	Cadmium - Urine	24 hour of spot specimen, no preservatives.	
	Caeruloplasmin (Ceruloplasmin)	Clotted Blood 10 ml (Gold top).	
	Caffeine	Clotted Blood 10 ml (Gold top).	
	CAGG - Cold Agglutinins	Specialised procedure where blood is collected at 37deg C by laboratory staff. Blood 10 ml in K-EDTA (Mauve top) and clotted blood 10 ml. Gold Top	Specimens collected by appointment at Mile End Collection centre
	Calcitonin	Fasting Clotted Blood 10 ml (Gold top) on ice.	Cancer thyroid Specimen on ice
	Calcium - Ionised measured	Blood in a blood gas syringe.	Transport on ice Where request form states ionised calcium calculated a Gold top should be collected
	Calcium - Total Serum	Clotted Blood 10 ml (Gold top)	Non-stasis and fasting is preferable.

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Calcium - Urine	Urine 24 h with 50 ml 2.4 M hydrochloric acid preservative.	Phosphate and oxalate can be performed on the same specimen.
Calcium Absorption Test	Before dose - blood 2 x 10 ml in Li Heparin (Green top) baseline. One hour after drinking dose - blood 1 x 10 ml in Li Heparin (Green top).	Contact laboratory for an appointment for this test.
Calcium/Creatinine Ratio	Urine 50 ml 2 h collection after 12 h fast overnight. No preservative.	12h overnight fast then empty bladder drink 250 mL distilled water. Collect a sample of urine (20 to 50 mL) at 2 hours.
Calculi Analysis	Stones/Calculi.	
Calicivirus (Norovirus, Norwalk virus, Sapovirus, Norwalk-like virus, Sapporo-like virus, NLV, SLV)	Faeces (walnut size) or 5-10 ml if fluid.	Test only during outbreaks of viral gastroenteritis and after consultation with Communicable Diseases Control Branch. Specimens must be collected as soon as possible after onset of symptoms. State date of onset on the request form.
Calprotectin	Faeces 5-10 g in fecal container.	
Campylobacter - Culture	Faeces (walnut size) or 5-10 ml fluid.	Specimens must be collected as soon as possible after onset of symptoms. State date of onset.
Campylobacter - Serology	Clotted Blood 10 ml (Gold top).	Enteritis, Guillian Barre Syndrome, Date of onset and symptoms
Carbamazepine	Clotted Blood 10 ml (Gold top).	Collect specimen before the next dose is administered.
Carboxyhaemoglobin (Carbon Monoxide, COHB)	Blood 4 ml in K-EDTA (Mauve top) or 1 mL in heparinised syringe.	
Carcino Embryonic Antigen (CEA)	Clotted Blood 10 ml (Gold top).	
Cardiac Enzymes (CK)	Clotted Blood 10 ml (Gold top)	
Carnitine	Blood 10 ml in Li Heparin (Green top).	
Carotene	Clotted Blood 10 ml (Gold top).	
CAT - Catecholamines	Urine 24h with 50 ml of 2.4 M hydrochloric acid preservative.	Acidified urine essential
(Cat Scratch Fever) - Bartonella Henselae - Serology	Clotted Blood 10 ml (Gold top).	Date of onset and symptoms

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Catecholamines, Adrenaline, Noradrenaline (CAT, Biogenic amines, epinephrine, norepinephrine)	Urine 24h with 50 ml of 2.4 M hydrochloric acid preservative.	Acidified urine essential
Catheter Tip - Culture	Place tip in sterile container.	
CBA - Collagen Binding Assay	Blood 3 x 4 ml in Na Citrate (Blue top).	Done if indicated by VWF screen results. State personal or family history of bleeding.
CBE Complete blood examination	Blood 4 ml EDTA	
CBP Complete Blood picture	Blood 4 ml EDTA	
CCP, Anti CCP - Anti Cyclic Citrullinated Antibodies	Clotted Blood 10 ml (Gold top).	Rheumatoid Arthritis
CEA - Carcino Embryonic Antigen	Clotted Blood 10 ml (Gold top).	
Cervical Swabs (C+S)	Swab in charcoal transport medium.	
CFTR Cystic Fibrosis	Screening - Special card.	
Chicken pox - Serology (See Varicella Zoster Serology)	Clotted blood 10 ml (Gold top).	Specify IgM and/or IgG.
Chicken pox - viral detection	Swab, scrapings, fluid from lesion in viral transport medium.	
Chimerism	Blood 50 ml in Li Heparin without gel. Deliver to laboratory promptly.	
Chlamydia trachomatis PCR (Chlamydia trachomatis nucleic acid detection)	For swabs, use the chlamydia collection kit. First pass urine 10 ml in sterile container. Do not clean perineum for urine collections.	Special chlamydia collection kit available.
Chlamydia - Serology (Chlamydia, Psittacosis, C. psittaci, ornithosis, C. pneumoniae, lymphogranuloma venereum serology)	Clotted Blood 10 ml (Gold top).	Paired sera preferred.
Chlamydia Pneumoniae PCR (Chlamydia pneumoniae)	Tracheal/nasopharyngeal aspirate, sputum, bronchial alveolar lavage.	Date of onset of symptoms

ALL TEST LISTING

Chlamydomphila psittaci PCR (Psittacosis, ornithosis)	Tracheal/nasopharyngeal aspirate, sputum, bronchial alveolar lavage.	Date of onset of symptoms
Cholesterol	Clotted Blood 10 ml (Gold top).	A lipid profile following 12 hr fast is recommended rather than individual tests for cholesterol.
Cholinesterase - Plasma (Pseudocholinesterase)	Blood 10 ml in Li Heparin (Green top) without gel.	Used in conjunction with RBC cholinesterase to detect organophosphate exposure.
Cholinesterase - Red Cell	Blood 10 ml in Li Heparin (Green top) without gel.	Useful test if organophosphate exposure is suspected.
Chromium	Blood or Urine. Blood 4 ml in K-EDTA (Mauve top).	Monitoring total parenteral nutrition/occupational exposure
Chromogranin - A	Serum 1 ml (Gold top).	Place in ice ASAP.
Chromosome Analysis - Maternal Blood	Blood 10 ml in Li Heparin (Green top) NO GEL.	
CISH - HER-2	Adequately fixed paraffin tissue block.	Refer to the HER-2 request form attachment.
Citrate	Urine 24 h, no preservative.	Calculus renal
CK - Creatine Kinase	Clotted Blood 10 ml (Gold top)	
CK Isoenzymes	Clotted Blood 10 ml (Gold top)	
CK-MB (Fractionated CK)	Clotted Blood 10 ml (Gold top)	
Clobazam	Clotted Blood 10 ml (Gold top)	Protect from light. Wrap in foil.
Clomipramine (Norclomipramine, Anafranil)	Clotted Blood 10 ml (Gold top).	
Clonazepam - (Rivotril)	Clotted Blood 10 ml (Gold top).	
Clonorchis Sinensis Serology (Chinese fluke)	Antibody test is not available. Please submit faeces for examination of ova and parasites.	
Clostridium difficile - Toxin Detection	Faeces in sterile container.	Formed stool is not suitable.

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Clozapine (Clozaril)	Blood 10 ml in Li Heparin (Green top), 4 ml EDTA accepted. No gel tubes please.	Trough level required. Samples must arrive on Tuesday for testing.
CMV - Cytomegalovirus Avidity Serology	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Coags	Blood 4.0 ml in Na Citrate (Blue top).	
Coagulation Factors (Factor II to XII) (Factor Assays, Factor II, Factor V, Factor VII, Factor VIII, Factor IX, Factor X, Factor XI, Factor XII, Long APTT for investigation)	Blood 3 x 4.0 ml in Na Citrate (Blue top).	Samples for baseline studies or monitoring continuous infusion can be collected at any time. If monitoring effect of factor replacement by bolus doses, collect trough sample i.e. before next dose.
Coagulation Inhibitor (Mixing test, Coagulation factor inhibitor, Inhibitor screen.)	Blood 3 x 4.0 ml in Na Citrate (Blue top).	State history of bleeding
Coagulation Studies (INR/PT + APTT)	Blood 4.0 ml in Na Citrate (Blue top).	Correct volume in the container is critical. Call any laboratory to discuss collection difficulties.
Coagulation Studies - Extended	Blood 2 x 4.0ml in Na Citrate (Blue top).	Includes Prothrombin INR, APTT, D-Dimer and Fibrinogen.
Cobalt	Spot urine 50 ml (no preservative).	
Cocaine - Qualitative	Spot urine.	
Coccidioidomycosis Serology	Clotted Blood 10 ml (Gold top).	Travel history to endemic area and date of onset of symptoms
Codeine	Spot urine.	
Coeliac Screen (Anti Gliadin Antibodies, Anti Transglutaminase Antibodies)	Clotted Blood 10 ml (Gold top)	Coeliac Disease
Coenzyme Q10	Clotted blood 10 ml (Gold top)	
Cold Agglutinins	Specialised procedure where blood is collected at 37deg C by laboratory staff. Blood 10 ml in K-EDTA (Mauve top) and clotted blood 10 ml. Gold Top	Specimens collected by appointment at Mile End Collection centre
Collagen Binding Assay (CBA)	Blood 3 x 4 ml in Na Citrate (Blue top).	Done if indicated by VWF screen results. State personal or family history of bleeding.

ALL TEST LISTING

Colon Cancer Gene Analysis (MLH1, MSH2, MSH6, APC, PMS2, MYH)	Blood 10 ml K-EDTA The blood must reach the lab within 24 hrs.	Patients can only be referred through the Familial Colon Cancer Service at the RAH. Contact can also be made through the SA Clinical Genetic Service at the WCH.
Colon Cancer Gene Exon Dose Analysis	10 ml Blood in K-EDTA (Mauve top).	Store at RT. Patients ALL referred to WCH.
Complement C3, C4	Clotted Blood 10 ml (Gold top).	Refrigerate promptly after collection. Autoimmune Disease
Complete Blood Examination (FBE, FBC, CBC, FBE)	Blood 4 ml in K-EDTA (Mauve top).	If referred from remote areas, blood films should be prepared and sent with the specimen to prevent deterioration of cells.
Conjunctival Swab - Virology	Conjunctival swab in viral transport medium (VTM).	
Coombs Test (Direct Anti-globulin Test, DAT, Coombs Test)	Blood 10 ml in K-EDTA (Mauve top).	
Copper - Serum	Clotted Blood 10 ml (Gold top).	
Copper - Urine	Urine 24 h in metal free container with 50 ml 2.4 M nitric acid as preservative.	
Corticotrophine Releasing Hormone Stimulation	Blood 4 ml in K-EDTA (Mauve top) and clotted blood 10 ml (Gold top).	Series of timed samples for ACTH and cortisol following administration of CRH. Contact RAH.
Cortisol (11-Deoxy Cortisol)	Blood 10 ml in Li Heparin (Green top) on ice.	Acute adrenal insufficiency
Cortisol (Saliva)	Special conditions apply. Please contact laboratory for details.	
Cortisol (Serum)	Clotted Blood 10 ml (Gold top).	Preferably collected between 0800-1000 hours. For special dynamic tests contact laboratory for further instructions.
Cortisol - Urine (Urinary Free Cortisol)	24h urine with no preservative.	
Corynebacterium diphtheriae - culture	Naso-pharyngeal aspirate, Throat or Skin Swab in Amies transport medium.	
Cotinine (Nicotine metabolite)	Clotted Blood 10 ml (Gold top).	Smoker
Cotinine - Urine	5 ml Urine (no preservative).	Smoker
Cowpox	Vesicular fluid from lesion in viral transport medium.	

ALL TEST LISTING

Coxiella burnetti serology (Q fever antibodies)	Clotted Blood 10 ml (Gold top).	Please specify if request is for prevaccination check.
Coxsackie Virus (Type A and Type B1-6) Culture	Naso-pharyngeal aspirate, nose and throat swabs in viral transport medium, CSF & Faeces in sterile containers.	
Coxsackie Virus Serology (Hand, foot and mouth disease, Enterovirus serology)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Creatine Kinase (CK)	Clotted Blood 10 ml (Gold top)	
Creatinine - Serum	Clotted Blood 5 m (Gold top)	
Creatinine - Urine	Urine 24 h no preservative.	
Creatinine Clearance	Blood 10 ml in Li Heparin (Green top), or Gold top, plus 24 h urine with no preservative.	Take blood sample during the urine collection period.
CRP - C-Reactive Protein	Clotted Blood 10 ml (Gold top)	
Crosslaps	Clotted Blood 10 ml (Gold top)	Morning blood after overnight fast.
Crossmatch (XM)	Blood 10 ml in K-EDTA (Mauve top).	State pregnancy and transfusion history.
Cryofibrinogen	Whole blood needs to be collected at 37 deg C by laboratory staff. Blood 10 ml in K-EDTA (Mauve top) and clotted blood 10 ml (Gold top).	Specimens collected by appointment with laboratory Mile End Patient Centre. Transport at 37C. Autoimmune vasculitis, Lymphoproliferative Disease
Cryoglobulin	Whole blood needs to be collected at 37 deg C by laboratory staff. Blood 10 ml in K-EDTA (Mauve top) and clotted blood 10 ml (Gold top).	Specimens collected by appointment with laboratory Mile End Patient Centre. Transport at 37C. Autoimmune vasculitis, Lymphoproliferative Disease
Cryptococcal Antigen Detection (Cryptococcal latex test)	Clotted Blood 10 ml (Gold top) or 0.5 ml CSF in sterile container.	
Cryptococcus - Microscopy & Culture	Various specimens in sterile container.	
Cryptosporidiosis	Faeces in faeces container.	
CSF Bilirubin (Xanthochromia)	0.5 ml CSF in sterile container.	Xanthochromia (CSF Bilirubin) can be requested in cases of subarachnoid haemorrhage.
CSF Cell Count & Culture	CSF in sterile container.	Specify if mycobacterial or fungal cultures are required.

ALL TEST LISTING

CSF Cytology	5-10 ml of fluid in a sterile universal container.	Specimen should be forwarded fresh and unfixed as soon as possible after collection. If collected after hours, refrigerate but do not freeze. Transport on ice.
CSF IgG/ALB Ratio	CSF 100 microlitres in CSF sterile container.	
CSF Oligoclonal Bands	CSF 1.10 ml plus 10 ml Clotted Blood (Gold top).	
CSF Protein/Glucose	0.5 ml CSF in a sterile container.	
CSF Viral Detection	CSF in sterile container.	Contact Laboratory if serology is required.
Cyanide	Contact the Toxicology Laboratory for specimen collection assistance.	
Cyclosporin (Neoral)	Blood 4 ml in K-EDTA (Mauve top) or blood 10 ml in Li-Heparin (No gel).	
Cysteine - Plasma	Blood 10 ml in Li Heparin (Green top).	
Cysteine - Urine	Spot urine (children) with no preservative (adult) or 24 hr with 50 mL 2.4M HCl preservative.	
Cysticercosis Serology (Taenia solium serology, tape worm, pork tapeworm)	Clotted Blood 10 ml (Gold top), CSF.	Provide travel history to endemic area and date of onset of symptoms
Cytogenetics (Chromosome studies, Karyotyping) Curettings, other tissues	Products of conception, curettings or chorionic villus tissues.	Sample should be in sterile saline or medium in a sterile container.
Cytogenetics (Karyotyping, Chromosome Studies) Blood	Blood 10 ml in Li Heparin (Green top) without gel.	
Cytogenetics (Karyotyping, Chromosome Studies) Bone Marrow	Bone Marrow 10 ml in Li Heparin (Green top) without gel, or in a container with Na heparin.	
Cytology - Fluids e.g. effusions, urine, any other body fluid.	Body fluid minimum 5 ml in sterile container. A larger volume is preferable if possible. Heavily bloodstained fluid should be collected in anticoagulant (Na citrate).	Specimen should be forwarded fresh and unfixed as soon as possible after collection. If collected after hours, refrigerate but do not freeze. Transport on ice.

ALL TEST LISTING

Cytomegalovirus Antigen (CMV, PP6)	Blood 5ml in Li-Heparin (No Gel).	
Cytomegalovirus Avidity Serology (CMV)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Cytomegalovirus Culture (CMV culture)	Urine, tissue, CSF in sterile container.	
Cytomegalovirus Quantitative PCR (CMV PCR, CMV viral load, CMV DNA)	Blood 10 ml in K-EDTA (Mauve top) or CSF in sterile container.	Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.
Cytomegalovirus Serology (CMV IgM/IgG)	Clotted Blood 10 ml (Gold top).	Indicate whether IgM or IgG antibody required. Send mothers and babys blood if investigating congenital infection with urine from baby for culture.

ALL TEST LISTING

D			
	D - Dimer	Citrate 4ml (Blue Top)	
	Dehydro epiandrosterone sulphate (DHEAS)	Clotted Blood 10 ml (Gold top).	
	Dehydrocholesterol (7-Dehydrocholesterol)	Clotted blood 10 ml (Gold top).	
	Delta Hepatitis Antibody (Hepatitis D antibody)	Clotted Blood 10 ml (Gold top).	Test only indicated in Hepatitis B antigen positive patients.
	Dengue Virus Serology	Clotted Blood 10 ml (Gold top).	
	Desipramine (Pertofran)	Clotted Blood 10 ml (Gold top).	Taken 12-16 hrs after last dose. Effective drug dosage for treatment of depression
	Dexamethasone Suppression - for Cushings	Clotted Blood 10 ml (Gold top).	1mg dexamethasone given at 2300h. 5 ml blood is collected between 0800 h and 1000 h next morning for serum cortisol. Contact any laboratory Laboratory for further information.
	Dexamethasone Suppression - for Melancholia	Clotted Blood 10 ml (Gold top).	1mg dexamethasone given at 2300h. 5 ml blood is collected at 1600 h and 2300 h next day for serum cortisol. Contact any laboratory Laboratory for further information.
	DHEAS - Dehydro epiandrosterone sulphate	Clotted Blood 10 ml (Gold top).	
	Di Hydro Testosterone	Clotted blood 10 ml (Gold top).	
	Dialysis Fluid (Dialysate)	Fluid in sterile container.	
	Diazepam - Qualitative	Spot urine - no preservative.	
	Diazepam - Quantitative	Clotted Blood 10 ml (Gold top).	
	Dibucaine Number / Fluoride number	Blood 10 ml in Li Heparin (Green top) without gel.	Refer to cholinesterase entry.
	DIC Screen	Blood 2 x 4.0 ml in Na Citrate (Blue top).	Includes Prothrombin INR, APTT, D-Dimer and Fibrinogen.
	Digoxin (Digitalis)	Clotted Blood 10 ml (Gold top).	A trough specimen is required for digoxin ie, just before the next dose is due.
	Diphtheria - Culture	Naso-pharyngeal aspirate, Throat or Skin Swab in Amies transport medium.	
	Diphtheria Serology	Clotted Blood 10 ml (Gold top).	
	Disaccharidase Estimation	Biopsy of small intestine wrapped tightly in aluminium foil. This should be placed in a sterile container and transported on ice.	
	Disopyramide (Norpace, Rythomodan)	Clotted Blood 10 ml (Gold top) trough level.	Cardiovascular, antiarrhythmic drug
	Disopyramide (Rythmadon)	Clotted Blood (Gold top) 10 ml collected at 37oC by laboratory staff.	Screen for Paroxysmal Cold Haemoglobinuria.

ALL TEST LISTING

Diuretic Screen	Spot urine or 24 hour urine.	
DNA/ADNA - Antibody - Anti DNA Double Stranded,	Clotted Blood 10 ml (Gold top).	SLE (Lupus)
Donovanosis PCR (Granuloma inguinale)	Dry genital swab, biopsy tissue, impression smear.	
Dothiepin (Prothiaden, Nordothiepin)	Clotted Blood 10 ml (Gold top).	Taken 12-16 h after a dose. Antidepressant
Down's Syndrome Screen (NTDD, 1st Trimester Screen)	Clotted Blood 10 ml (Gold top).	Blood taken at 10-20 weeks gestation, (1st Trimester) for AFP, HCG & Unconjugated Oestriol only, as screen for Down's Syndrome.
Doxepin (Sinequan)	Clotted Blood 10 ml (Gold top).	Effective treatment
Drug Screen	Spot urine 30 ml, no preservative.	
Drug Screen (Laxatives)	Spot urine 30 ml.	
NTDD, 1st Trimester Screen Down's Syndrome Screen	Clotted Blood 10 ml (Gold top).	Blood taken at 10-20 weeks gestation, (1st Trimester) for AFP, HCG & Unconjugated Oestriol only, as screen for Down's Syndrome.

ALL TEST LISTING

E			
	E1-Oestrone	Clotted Blood 10 ml (Gold top).	
	E 3 - Oestriol	Clotted Blood 10 ml (Gold top).	
	EBV - Epstein Barr Virus Antibody (IgM, IgG, Infectious Mononucleosis antibody)	Clotted Blood 10 ml (Gold top).	Specify whether IgG and/or IgM test is requested.
	EcalFT	Clotted Blood 10 ml (Gold top).	
	Echinococcus granulosus Serology (Hydatid Serology)	Clotted Blood 10 ml (Gold top).	
	Echovirus/Enterovirus Culture	Naso-pharyngeal aspirate, nose and throat swabs, in viral transport medium. Faeces in sterile container.	Collect as soon as possible after onset of symptoms. Transport to the laboratory immediately.
	ECP - Eosinophilic Cationic Protein	Clotted Blood 10 ml (Gold top).	Specimens collected by appointment through laboratory Patient Centre.
	EFAVIRENZ (Stocrin)	Blood 4 ml in K-EDTA (Mauve top).	
	EGFR	FFPE tumour biopsy.	Send tissue block.
	Ehrlichial Serology (Ehrlichia Antibodies)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
	Elastase (Faecal Pancreatic Elastase)	Spot faeces, transport on ice.	
	E/LFT	Clotted Blood 10 ml (Gold top).	
	Electrolytes - Blood (Sodium, Potassium, Chloride, Bicarbonate, Na, K, C1, CO2)	Clotted Blood 10 ml (Gold top)	Falsely high K results are obtained if blood specimen is haemolysed, stored in refrigerator or more than 4 hours old before serum or plasma separation.
	Electrolytes - Urine (Sodium, Potassium, Na, K)	Urine Spot or 24 h. (No preservative)	
	Electron Microscopy	Tissue specimens in 2.5% glutaraldehyde fixative.	Referred to specialist laboratory
	EMA - Anti Endomysial Antibodies	Clotted Blood 10 ml (Gold top).	Coeliac disease
	ENA - Extractable Nuclear Antigen Antibodies (Extractable nuclear antigens , SSA, SSB, Sm, Jo-1, RNP, Scl-70)	Clotted Blood 10 ml (Gold top)	Autoimmune Disease
	Entamoeba histolytica Antibodies (Amoebic serology)	Clotted Blood 10 ml (Gold top).	

ALL TEST LISTING

Enterovirus PCR (Viral meningitis, CSF)	CSF	Date of onset of symptoms
Eosinophil Count on Body Fluids	Body Fluids in sterile container.	
Eosinophilic Cationic Protein (ECP)	Clotted Blood 10 ml (Gold top).	Specimens collected by appointment through laboratory Patient Centre.
EPG - Protein Electrophoresis SEPP	Clotted Blood (Gold top) 10 ml.	Multiple myeloma
Epstein Barr Virus Antibody (EBV IgM, IgG, Infectious Mononucleosis antibody)	Clotted Blood 10 ml (Gold top).	Specify whether IgG and/or IgM test is requested.
Epstein Barr Virus PCR (EBV PCR)	Blood 10 ml in K-EDTA or CSF.	Perform only on immunocompromised hosts
Equine Morbillivirus - Serology (Hendra virus)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Equine Morbillivirus PCR (Hendra virus)	CSF, Tracheal/nasopharyngeal aspirate, sputum, bronchial alveolar lavage.	Date of onset of symptoms
Erythropoietin	Clotted Blood 10 ml (Gold top).	
ESR	Blood 4 ml K-EDTA.	EDTA must be filled if Full blood count requested also
Ethanol - Medical (Alcohol)	Blood 2 ml Fluoride EDTA (Grey top) preferred. Can be performed on Li Heparin or clotted specimen.	
Ethanol - Medicolegal (Alcohol)	Blood 2 ml (Fluoride EDTA (Grey top) preferred). Can be performed on Li Heparin or clotted specimen.	Do not separate plasma/serum or break seals on medico-legal samples.
Ethosuximide (Zarontin)	Blood 10 ml in Li Heparin (Green top) or clotted blood (Gold top).	
Everolimus (Certican)	Blood 4 ml in K-EDTA (Mauve top)	Transport on ice
Extractable Nuclear Antigen Antibodies (Extractable nuclear antigens (ENA), SSA, SSB, Sm, Jo-1, RNP, Scl-70)	Clotted Blood 10 ml (Gold top)	Autoimmune Disease

ALL TEST LISTING

F			
	FAE - Androgens	Clotted Blood 10 ml (Gold top)	
	Factor IX Gene Analysis	Blood 2 x 10 ml K-EDTA.	Store sample at room temperature. Patients undergoing these tests should receive specialist counseling.
	Factor V Mutation analysis (Leiden) (APCR)	Blood 4 ml in K-EDTA (Mauve top) or Na Citrate (Blue top).	DNA analysis routinely performed for requests of either Activated Protein C Resistance or Factor V Leiden. Please give clinical notes on form.
	Factor VIII Binding Assay (VWF, 8 binding)	Blood 3 x 4.0 ml in Na Citrate (Blue top).	Done if indicated by VWF screen results. State personal or family history of bleeding.
	Factor VIII Gene Analysis	Blood 2 x 10 ml K-EDTA. Blood should reach the laboratory within 24 hrs.	Store sample at room temperature. Patients undergoing these tests should receive specialist counselling.
	Factor VIII Inhibitor (Bethesda assay, Factor VIII antibody.)	Blood 3 x 4.0 ml in Na Citrate (Blue top).	Baseline preferred. Collect before FVIII infused. State if receiving FVIII treatment.
	Factor VIII Studies (FVIII and VWF, Haemophilia screen, Haemophilia investigation, Haemophilia carrier study, VW assays.)	Blood 3 x 4.0 ml in Na Citrate (Blue top).	Includes FVIII and VWF. State personal or family history of bleeding.
	Factor XI Gene	10 ml Blood in K-EDTA (Mauve top).	
	Factor XIII (F13, FXIII, Factor XIII screen.)	Blood 3 x 4.0ml in Na Citrate (Blue top).0	State personal or family history of bleeding.
	Faecal Alpha-1-Antitrypsin Clearance	Clotted Blood (Gold top) 10 ml plus 3 days faeces in pre-weighed tin.	
	Faecal Fat		
	Faecal Haemoglobin (FHB, Occult Blood)	Faeces (walnut size) 3 consecutive bowel actions. Motions in separate containers.	Keep cool or refrigerate. Both chemical and immunological tests performed.
	Faeces (Cysts, Ova, Parasites)	Faeces 5-10g (walnut size) - sterile container in 5-10 ml of fluid.	Maximum 2 specimens per week. Overseas travel history should be stated.
	Faeces - Culture for Pathogens	Faeces 5-10g (walnut size). 5-10ml (if fluid).	Maximum 2 specimens per week.
	Faeces - Viral detection	Faeces 5-10g (walnut size) in sterile container or 5-10ml (if fluid).	Collect as soon as possible after the onset of symptoms. State date of onset of symptoms.
	FAI Androgens	Clotted Blood 10 ml (Gold top). Plasma.	

ALL TEST LISTING

Familial Defective Apolipoprotein B (FDB)	Blood 10 ml in Li Heparin (Green top) without gel or K-EDTA (Mauve top).	
Farmer's Lung Precipitin (Thermoactinomyces)	Clotted Blood 10 ml (Gold top).	Pneumonitis
Farmers Lung Precipitins	Clotted Blood 10 ml (Gold top).	Hypersensitivity pneumonitis
Fascioliasis Serology (Liver fluke)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Fat Globules	Faeces - walnut size or 5-10 ml if fluid.	
Fat Globules (Sputum)	Sputum in sterile container.	
Fat Globules (Urine)	Urine 30 ml in sterile container.	
Fatty Acids (Essential)	Blood 10 ml in Li Heparin (green top) or K-EDTA (Mauve top).	
Fatty Acids (Free)	Blood 4 ml in fluoride-EDTA (grey top).	
Fatty Acids (Very Long Chain or VLCFA)	Blood 4 ml in K-EDTA (Mauve top) or Serum is acceptable.	
FBC - FBE - FBP	Blood 4 ml in K-EDTA (Mauve top)	
FDB - Familial Defective Apolipoprotein B	Blood 10 ml in Li Heparin (Green top) without gel or K-EDTA (Mauve top).	
(FDP/D-Dimer) - Fibrin Degradation Products	Blood 4 ml in Na Citrate (Blue top).	D-Dimer only requested in work-up for PE/DVT.
FE - Iron studies	Clotted Blood 10 ml (Gold top).	Morning collection before 10am
Felidipine	Blood 10 ml Li Heparin (Green top).	Send on ice.
Ferritin - Serum	Clotted Blood 10 ml (Gold top)	
Fibrin Degradation Products (FDP/D-Dimer)	Blood 4 ml in Na Citrate (Blue top).	D-Dimer only requested in work-up for PE/DVT.
Fibrinogen	Blood 4 ml in Na Citrate (Blue top).	Normally performed as part of Extended Coagulation Studies.
Filarial Antibodies (Microfilaria, filariasis serology, dog heart worm)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Filarial Antigen (Microfilaria, Filariasis antigen, dog heart worm)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Filarial Microscopy (Microfilaria, Filariasis)	Blood 4 ml in K-EDTA (Mauve top).	Please provide relevant travel history on the request form and discuss timing of collection with laboratory staff.

ALL TEST LISTING

Fine Needle Aspiration (FNA)	Contact laboratory for bookings.	Booking and technical assistance is available by contacting the laboratory.
Fine Needle Aspiration Biopsy	Contact laboratory for bookings.	
Flavivirus Group Serology (Arboviruses, eg Dengue, Japanese B encephalitis, Kunjin, Murray Valley encephalitis, Ross River, West Nile and Yellow Fever virus.)	Clotted Blood 10 ml (Gold top).	Provide travel history to endemic area, date of onset of symptoms, immunisation status.
Flavivirus PCR (Arboviruses, eg Dengue, Japanese B encephalitis, Kunjin, Murray Valley encephalitis, Ross River, West Nile and Yellow Fever virus.)	Clotted Blood 10 ml (Gold top), CSF.	Specify which virus is required. Provide travel history to endemic area and date of onset of symptoms.
Flecainide (Tambocor)	Blood 10 ml in Li Heparin NO GEL (Green top) Adult. Neonate 1.5 mL blood.	Trough sample.
Flucloxacillin	Clotted Blood (Gold top) 10 ml.	Contact the Clinical Microbiologist for advice.
Flucytosine (Fluorocytosine, 5-FC)	10 ml in Li Heparin NO GEL preferred, EDTA, Serum, Li Heparin with Gel.	
Fluids - Cell Count	Fluid in K-EDTA (Mauve top) or in sterile container. Li heparin (Green top) for synovial fluids.	
Fluids - Micro and Culture	Various specimens in sterile container.	
Flunitrazepam	Spot urine, no preservative.	
Fluoride	24 hour urine.	
FNA	Fine needle aspiration contact Histo Lab	
Foetal Cells in Maternal Blood (FMH Screen)	Blood 4 ml in K-EDTA (Mauve top).	
Folate (Red Cell)	Blood 4 ml in K-EDTA (Mauve top) and clotted blood 10 ml (Gold top).	
Folate (Serum)	Clotted Blood 10 ml (Gold top).	Fasting specimen is preferred.
Follicle Stimulating Hormone (FSH)	Clotted Blood (Gold top) 10 ml.	
Foods for Microbiological Testing	Food, Water.	Contact the laboratory for collection information.
Fragile X	Blood 10 ml in K-EDTA (Mauve top)	

ALL TEST LISTING

Free Androgen Index (FAI)	Clotted Blood 10 ml (Gold top).	Testosterone and Sex Hormone Binding Globulin (SHBG) performed and FAI calculated.
Free Plasma Haemoglobin	Clotted Blood 10 ml (Gold top).	Ensure immediate transport to laboratory. Do not refrigerate sample before separating serum/plasma.
Free Prostate Specific Antigen (Fractionated PSA)	Clotted Blood 10 ml (Gold top).	
Free T3 (FT3)	Clotted Blood 10 ml (Gold top).	
Frozen Section	Fresh tissue.	. To make an appointment contact the laboratory.
Fructosamine (Glycosylated protein)	Clotted blood 10 ml (Gold top).	Diabetes mellitus
FSH - Follicle Stimulating Hormone	Clotted Blood (Gold top) 10 ml.	
Fungal - Microscopy & Culture	Skin or plucked hair, nail clippings, biopsy tissue, CSF, fluid, urine or pus specimens in sterile container.	Cultures are incubated for up to 4 weeks.

ALL TEST LISTING

G			
	Gabapentin (Neurontin)	Clotted Blood 10 ml (Red top)	Anticonvulsant drug
	Galactose/Phosphate Duarte gene test	Blood 10 ml in Li Heparin (Green top) without gel.	
	Gamma Glutamyl Transferase (GGT)	Clotted Blood 10 ml (Gold top)	Included in LFT.
	Gastrin	Fasting Clotted Blood 10 ml (Gold top).	Patients must fast for at least 10 hr. Contact Laboratory. Collect and transport on ice.
	GCT - Glucose Challenge Test	Blood 2 ml Flouride (grey top)	Test performed during pregnancy. 50ml glucose load given and blood collected 1 hour after. Patient must have eaten 1 hour prior to test. See Procedure Manual
	GBM Anti - Glomerular Basement Membrane	Clotted Blood 10 ml (Gold top).	Goodpastures Syndrome
	Gene rearrangements - Bcl-2 - PCR (t14:18 translocation)	Blood in Li Heparin or K-EDTA (Mauve top) fresh tissue or paraffin embedded tissue.	Separate specimen required Lymphoma
	Gene rearrangements - JH - PCR (B cell immunoglobulin rearrangement)	Blood in Li Heparin or K-EDTA (Mauve top) fresh tissue or paraffin embedded tissue.	Separate specimen required. Lymphoma
	Gene rearrangements - TCR - PCR (T cell receptor)	Blood in Li Heparin or K-EDTA (Mauve top) fresh tissue or paraffin embedded tissue.	Separate specimen required. Lymphoma
	Genotype - 4 ml K-EDTA (Mauve top).		
	Gentamicin	Clotted Blood 10 ml (Gold top).	
	GEO - Hepatitis C Genotype	Blood 10 ml in K-EDTA (Mauve top) or clotted blood (Gold top).	
	GGT - Gamma Glutamyl Transferase	Clotted Blood 10 ml (Gold top)	Included in LFT.
	Giardia - Microscopy	Faeces (walnut size) or 5-10 ml if fluid.	
	Glivec Sensitivity	Blood 10 ml in Li Heparin (No Gel)	
	Globulin (Total)	Clotted Blood 10 ml (Gold top)	

ALL TEST LISTING

Glucagon	Fasting blood 10 ml plus 1 ml trasylol in chilled K-EDTA (Mauve top).	Place in ice-water and separate and freeze plasma as soon as possible.
Glucagon Stimulation Test (GST)	Clotted Blood 10 ml (Gold top).	Collect at Basal, 30 mins, 60 mins, 90 mins, 120 mins, 150 mins, 180 mins.
Glucose (Sugar, BSL)	Blood 2 ml in Fluoride EDTA (Grey top).	
Glucose Suppression Test	Clotted Blood 10 ml (Gold top), plus 2 ml (Grey top).	Collect at Basal, 30 mins, 60 mins, 90 mins, 120 mins, (150 mins and 180 mins may also be requested).
Glucose challenge Screening Test in Pregnancy (O'Sullivan's Test, Glucose Challenge Test, GCT)	Blood 2 ml in Fluoride EDTA (Grey top) 1 h after 50 or 75g of glucose load. (Fasting not required).	Performed routinely at 26 to 28 weeks gestation. Elevated levels followed by a standard Glucose Tolerance Test.
Glucose Tolerance Test (GTT)	Blood 2 ml Flouride (Grey Top)	Blood taken fasting, 75g glucose load then blood at 1 hour and then at 2 hour. See Procedure Manual
Glucose Tolerance Test in Pregnancy (GTT)	Blood 3 x 2 ml in Fluoride EDTA (Grey top).	Collect before and 1 and 2 hr after 75g oral glucose load.
Glucose-6-Phosphate Dehydrogenase (G6PD)	Blood 4 ml in K-EDTA (Mauve top).	
Glyphosate	Fresh spot urine	
G&M - Group and Crossmatch.	Blood 10 ml in K-EDTA (Mauve top).	State pregnancy and transfusion history.
GMI - Anti Ganglioside Antibodies (GM-1 antibody)	Clotted Blood 10 ml (Gold top).	Demyelinating peripheral neuropathies
Gold	Clotted Blood 10 ml (Gold top) / Urine 10 ml.	
Gonadotrophins (FSH and LH)	Clotted Blood 10 ml (Gold top)	
Group (ABO and Rh or Blood group)	Blood 4 ml in K-EDTA (Mauve top).	State pregnancy and transfusion history.
Group and Crossmatch. (G&M)	Blood 10 ml in K-EDTA (Mauve top).	State pregnancy and transfusion history.
Group and Screen (and Save) or (G&S, T&S)	Blood 10 ml in K-EDTA (Mauve top)	For pretransfusion testing and antenatal blood group serology.State pregnancy and transfusion history.
Group B Streptococcal Antigen	Urine or CSF in sterile container.	

ALL TEST LISTING

	G&S, T&S - Group and Screen (and Save) or	Blood 10 ml in K-EDTA (Mauve top)	For pretransfusion testing and antenatal blood group serology.State pregnancy and transfusion history.
	GST - Glucagon Stimulation Test	Clotted Blood 10 ml (Gold top).	Collect at Basal, 30 mins, 60 mins, 90 mins, 120 mins, 150 mins, 180 mins.

ALL TEST LISTING

H			
	H1 AA	24 Hour urine with acid preservative	
	Haemochromatosis (HFE gene)	Blood 4 ml in K-EDTA.	
	Haemoglobin (Hb)	Blood 4 ml in K-EDTA (Mauve top).	
	Haemoglobin A1C (Glycated haemoglobin, HbA1C)	Blood 4 ml in K-EDTA (Mauve top).	
	Haemoglobin A2	Blood 4 ml in K-EDTA (Mauve top).	
	Haemoglobin F	Blood 4 ml in K-EDTA (Mauve top).	
	Haemoglobin Stability Test	Blood 4 ml in K-EDTA (Mauve top).	Test is of assistance when the presence of an unstable haemoglobin is suspected.
	Haemoglobin Variants	Blood 4 ml in K-EDTA (Mauve top).	
	Haemophilia Carrier Studies	Blood 1 x 10 ml K-EDTA, and 3x4 ml in Na Citrate (Blue top)	Sample stored at room temperature. Patients undergoing this testing should receive specialist counselling. Suggest referral by Haematologist.
	Haemophilia Prenatal Diagnosis	Chorionic villus sample. Samples for both parents are also required to rule out paternal contamination of foetal sample.	Patient must be referred through Obstetrician.
	Haemophilus Influenzae Antibody	Clotted Blood 10 ml (Gold top)	Immunodeficiency
	Haemosiderin	Spot urine.	
	Haloperidol		
	HAMs test (Acidified Serum Lysis Test)	Blood 4 ml in Na Citrate (Blue top).	
	Hantavirus PCR	Blood 10 ml in K-EDTA (Mauve top), CSF, Tracheal/nasopharyngeal aspirate, sputum, bronchial alveolar lavage.	Travel history to endemic area and date of onset of symptoms.
	Hantavirus Serology	Clotted Blood 10 ml (Gold top).	Travel history to endemic area and date of onset of symptoms.
	Haptoglobin	Clotted Blood 10 ml (Gold top).	
	Hb - Haemoglobin	Blood 4 ml in K-EDTA (Mauve top).	
	HbA1C - Haemoglobin A1C Glycated haemoglobin,	Blood 4 ml in K-EDTA (Mauve top).	
	HBeAb - Hepatitis B e Antibody	Clotted Blood 10 ml (Gold top).	Marker of past or chronic infection with Hepatitis B.

ALL TEST LISTING

HCG (Human Chorionic Gonadatropin, tumour marker)	Clotted Blood 10 ml (Gold top), or urine.	
HCG Qualitative (Pregnancy)	Clotted Blood 10 ml (Gold top) or urine.	
HCG Quantitative (Human Chorionic Gonadatropin, Pregnancy test, beta HCG)	Clotted Blood 10 ml (Gold top).	
HCV antibody -Hepatitis C Antibody	Clotted Blood 10 ml (Gold top).	Test for current or past infection.
HDL - High Density Lipoprotein	Clotted Blood 10 ml (Gold top).	Included in Lipid Studies.
Heat Shock Protein Antibody (HSP-70, anti-68 KD antibody)	Clotted Blood 10 ml (Gold top).	Referred to specialist testing laboratory
Heavy Metals Screen	Analytes currently offered - WHOLE BLOOD - Lead, Mercury, Cadmium. URINE - Lead, Mercury, Arsenic. Recommended: Urine 24 h in metal free container with 50 ml 2.4 M nitric acid preservative. Spot urine samples may be used for screening purposes.	
Heinz bodies	Blood 4 ml in K-EDTA (Mauve top).	Screening test in drug induced sensitivity.
Helicobacter pylori - Culture	Antral Gastric Biopsy in a drop of saline in a sterile container.	
Helicobacter pylori - Serology or H. pylori IgG	Clotted Blood 10 ml (Gold top).	
Helicobacter pylori antigen (H.pylori antigen)	Faeces walnut size 5-10 ml if fluid.	
Heparin - low molecular weight or subcutaneous (Anti-Xa, Anti-10 assay, Anti-Xa assay, Xa assay, Heparin assay, Fragmin assay.)	Blood 4.0 ml in Na Citrate (Blue top).	Take at mid-interval between doses. State drug used for treatment.
Hepatic Iron Index (Liver iron)	Liver Biopsy.	Wrap container in alfoil and forward to laboratory ASAP. Transport on ice.
Hepatitis A IgG Antibody	Clotted Blood 10 ml (Gold top).	Test for immunity to Hepatitis A due to past infection or vaccination. This test may be negative in early acute infection. Hep IgM testing should be performed if acute Hepatitis A is suspected.

ALL TEST LISTING

Hepatitis A IgM Antibody (Hep A IgM)	Clotted Blood 10 ml (Gold top).	To detect acute Hepatitis A infection.
Hepatitis B Core IgM Antibody	Clotted Blood 10 ml (Gold top).	Marker of acute infection with Hepatitis B.
Hepatitis B Core Total Antibody	Clotted Blood 10 ml (Gold top).	Marker of past or current infection with Hepatitis B.
Hepatitis B Drug Resistance	Blood 10 ml in K-EDTA (Mauve top).	Before ordering this test, a consultation with an on-call Microbiologist is recommended. Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.
Hepatitis B e Antibody (HBeAb)	Clotted Blood 10 ml (Gold top).	Marker of past or chronic infection with Hepatitis B.
Hepatitis B e Antigen (HBe Ag)	Clotted Blood 10 ml (Gold top).	Marker of acute or chronic infection with Hepatitis B.
Hepatitis B pre Core mutation	Blood 10 ml in K-EDTA (Mauve top).	Before ordering this test, a consultation with the on-call Microbiologist is recommended. Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.
Hepatitis B Surface Antibody (HBs Ab)	Clotted Blood 10 ml (Gold top).	Marker of immunity to Hepatitis B due to past infection or vaccination.
Hepatitis B Surface Antigen (HBs Ag)	Clotted Blood 10 ml (Gold top).	Marker of acute or chronic infection with Hepatitis B virus.
Hepatitis B Virus DNA (Hepatitis B Viral Load, HBV DNA)	Blood 10 ml in K-EDTA (Mauve top).	Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.
Hepatitis C Antibody (HCV antibody)	Clotted Blood 10 ml (Gold top).	Test for current or past infection.
Hepatitis C Genotype (GEO)	Blood 10 ml in K-EDTA (Mauve top) or clotted blood (Gold top).	Requires its own tube
Hepatitis C PCR - qualitative (HCP, HCV PCR, HCV RNA)	Blood 10 ml in K-EDTA (Mauve top) or clotted blood (Gold top).	Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.
Hepatitis C PCR - Quantitative (HCV viral load, Hep C viral load, Hep C quantitative)	Blood 10 ml in K-EDTA (Mauve top) or clotted blood (Gold top).	Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.

ALL TEST LISTING

Hepatitis D Antibody (See Delta Hepatitis Antibody)	Clotted Blood 10 ml (Gold top).	Indicated only if the patient is Hepatitis B surface antigen positive.
Hepatitis E Serology (Hep E)	Clotted Blood 10 ml (Gold top).	Please consult a Virologist before requesting this test. Travel history to endemic area and date of onset of symptoms.
Heptachlor	Clotted Blood 10 ml (Gold top).	
Hereditary Fructose Intolerance (HFI - PCR)	Blood 2 x 10 ml in K-EDTA.	
Herpes Simplex Virus detection (HSV)	Swab/Scrapings/Fluid from infected site in 2 ml viral transport medium. CSF in sterile container.	
Herpes Simplex Virus Serology (HSV antibodies, HSV serotyping)	Clotted Blood 10 ml (Gold top).	
(HFE gene) - Haemochromatosis	Blood 4 ml in K-EDTA.	
HGH - Human Growth Hormone	Clotted Blood 10 ml (Gold top).	
High Density Lipoprotein (HDL)	Clotted Blood 10 ml (Gold top).	Included in Lipid Studies.
Histamine (Blood)	Blood 10 ml in Li Heparin (No gel).	
Histamine (Urine)	Urine in sterile container.	Mastocytosis
Histone Antibody	Clotted Blood 10 ml (Gold top).	Drug induced Lupus.
Histopathology	Tissue in 10% formalin. Proper fixation requires the volume of formalin to be 10 times that of the tissue.	
Histoplasma Antibodies	Clotted Blood 10 ml (Gold top).	
Histoplasma Serology (H. capsulatum)	Clotted blood 10 ml (Gold top).	
HITTS, Drug dependent platelet antibody (Heparin-induced antiplatelet antibody)		
HITS	Blood 3 x 4.0 ml in Na Citrate (Blue top) and Clotted Blood 10 ml (Gold top).	For thrombocytopenia secondary to heparin, quinine or quinidine, screen and confirm done for heparin.State drug treatment

ALL TEST LISTING

HIV Antibody (AIDS serology)	Clotted Blood 10 ml (Gold top).	For children, 3 ml in Gold top container or 1 ml Serum.
HIV Antibody Confirmatory Test (Western Blot, HIV confirmatory test, HIV WB)	Clotted Blood 10 ml (Gold top).	
HIV Resistance Analysis - Genotyping	Blood 10 ml in K-EDTA (Mauve top).	Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.
HIV Viral Load (HIV PCR, HIV RNA)	Blood 10 ml in K-EDTA (Mauve top). (CSF in sterile container).	Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply. Please contact the laboratory for assistance.
HLA - DQ (DQ2, DQ8)	ACD Tube (Yellow Top)	
HLA - DR 1/DR4 (DR4, HLA DR typing)	ACD Tube (Yellow Top)	Rheumatoid arthritis
HLA Antigens (Except HLA-B27,HLA-DR1 and HLA-DR4)	ACD Tube (Yellow Top)	
HLA-B27	ACD Tube (Yellow Top)	Ankylosing spondilitis
HLA-B57 (Abacavir hypersensitivity)	ACD Tube (Yellow Top)	
Homocysteine	Blood 2 ml in EDTA (Mauve top), fasting sample preferred.	Blood in Gold top also acceptable. Whole blood must be collected and transported on ice.
Homocystine - Blood	Blood 10 ml in Li Heparin (Green top).	Specimen must arrive in laboratory within 1 hour of collection.
Homocystine - Urine	Urine 10-30 ml.	Preferably early morning sample without preservative.
Homogentisic Acid	Spot urine.	

ALL TEST LISTING

Hopper Ant Venom - Specific IgE (RAST Hopper ant / Jumper ant, Jumper ant venom IgE)	Clotted Blood 10 ml (Gold top).	
HSV - Herpes Simplex Virus	Clotted Blood 10 ml (Gold top).	
HTLV 1/ 11 Antibody (HTLV 1 & 2 antibody)	Clotted Blood 10 ml (Gold top).	
Human Growth Hormone (HGH)	Clotted Blood 10 ml (Gold top).	
Human Herpes Virus 6 PCR (Roseola infantum)	Clotted Blood 10 ml (Gold top).	
Human Herpes Virus 6 Serology (Roseola infantum)	Clotted blood 10 ml (Gold top).	
Human Herpes Virus 8 PCR (HHV8)	Blood 10 ml in K-EDTA (Mauve top), or tissue sample.	
Human Papillomavirus DNA (high risk types) or HPV, wart virus.	Cervical swab eluted in 'Thin Prep' vial.	Please check with laboratory to confirm if patient clinical notes comply with Medicare funding regulations.
Huntington's Disease or Trinucleotide repeat, CAG repeat.	Blood 2 x 4 ml in EDTA (Mauve top). Li Heparin acceptable.	
Hydatid Serology (E. granulosus antibody)	Clotted Blood 10 ml (Gold top).	
Hydrogen (C13 Breath Test)	Breath samples (non radioactive methodology)	Contact Mie End collectio centre for assistance. Some restritions apply. Please check with laboratory to confirm if patient clinical notes compl with Medicae funding regulations.
Hydroxy Indole Acetic Acid (HIAA, 5HIAA)	Urine 24 h with 50 ml 2.4M HCl preservative.	Contact laboratory for dietary and drug restrictions.

ALL TEST LISTING

I			
	IFA - Anti Intrinsic Factor Antibodies	Clotted Blood 10 ml (Gold top).	Pernicious anemia
	Ig FBP3		
	IgA (Immunoglobulin A)	Clotted Blood 10 ml (Gold top).	Immune status
	IgF-2 (Insulin-like Growth Factor 2)	Clotted Blood 10 ml (Gold top).	Mesenchymal tumours
	IgG (Immunoglobulin G)	Clotted Blood 10 ml (Gold top).	Immune status
	IgG Subclasses (Immunoglobulin G subclasses)	Clotted Blood 10 ml (Gold top).	Immunodeficiency
	IgM (Immunoglobulin M)	Clotted Blood 10 ml (Gold top).	Immune status
	Imipramine	Clotted Blood 10 ml (Gold top).	Tricyclic antidepressant drug
	Immune Reconstitution Studies	Blood 10 ml in Li Heparin (Green top) NO GEL	Specimen should reach laboratory same day. DO NOT centrifuge or refrigerate.
	Immunoglobulin (IgA, IgG, IgM)	Clotted Blood 10 ml (Gold top).	Immune status
	Immunoglobulin A (Low Level, IgA)	Clotted Blood 10 ml (Gold top).	
	Immunoglobulin D (IgD)	Clotted Blood 10 ml (Gold top).	
	Immunoglobulin E (Total IgE, immunoglobulin E)	Clotted Blood 10 ml (Gold top).	Specific IgE Allergy test also available. Allergy
	Immunoglobulin Gene Rearrangements (TCR/SH, lymphocyte gene rearrangements)	Blood/Bone Marrow in Li Heparin or K-EDTA (Mauve top). Tissue specimens - fresh in RPMI or paraffin embedded.	Lymphoma
	In situ hybridisation	Blood or bone marrow in Lithium heparin (Green top) without gel or Na Heparin.	Specimen should be kept at room temperature.

ALL TEST LISTING

Influenza Virus - Detection	Naso-pharyngeal aspirate in viral transport medium, sputum.	
Influenza Virus - Serology (Flu Antibody)	Clotted Blood 10 ml (Gold top).	Paired sera required. Influenza A and B titres reported.
Inhibin	Clotted Blood 10 ml (Gold top) on ice.	Notify Laboratory to ensure prompt handling of specimen. Ovarian cancer
INR (PT/Prothrombin)	Blood 4ml in Na Citrate (Blue top)	Correct specimen volume is critical. To be processed by laboratory within 2 hours of sample collection.
Insulin	Clotted Blood 10 ml (Gold top). Special collection requirements. Samples must be centrifuged within 2 hrs of collection. Please contact laboratory for assistance.	Where insulin is ordered with a GTT a Gold Top is to be collected with each Fluoride tube
Insulin Antibodies	Clotted Blood 10 ml (Gold top).	Separate serum immediately and freeze. Diabetes mellitus type 1
Insulin Growth Factor (IGF-1 or Somatomedin C)	Clotted Blood 10 ml (Gold top)	
Insulin Hypoglycaemia Test	Clotted Blood 10 ml (Gold top).	
Interleuken 6 (IL6)	Blood 10 ml Li Heparin (Green top).	
Ionised Calcium	Blood in a blood gas syringe.	Transport on ice Where request form states ionised calcium calculated a Gold top should be collected
Ionised		
Iron	Clotted Blood 10 ml (Gold top).	An overnight fasting specimen is preferred.
Iron - Urine	Urine 24h in Metal Free Container with 50 ml of 2.4m Nitric Acid preservative.	
Iron Studies (Ferritin, transferrin, Fe studies)	Clotted Blood 10 ml (Gold top).	An overnight fasting specimen is preferred.
Isocyanate (Cyanide)	Contact the Toxicology Laboratory for specimen collection assistance.	
Itraconazole (Sporanox)	Blood 10 ml in Li Heparin (Green top).	Minimum 1 ml serum/plasma.

ALL TEST LISTING

J			
	JAK 2 Gene Mutation	Blood 4 ml in K-EDTA (Mauve top).	
	Japanese B Encephalitis PCR (Arbovirus, Flavivirus)	Clotted Blood 10 ml (Gold top), CSF.	Travel history to endemic area and date of onset of symptoms. Immunisation status.
	Japanese B Encephalitis Serology (Arbovirus, Flavivirus)	Clotted Blood 10 ml (Gold top).	Travel history to endemic area and date of onset of symptoms. Immunisation status
	JC Virus PCR (Polyomavirus)	Clotted blood 10 ml (Gold top), CSF or urine.	
	Jejunal /Duodenal Aspirate - Colony Count	Aspirate in sterile container.	
	Jejunal Aspirate - Parasites	Aspirate in sterile container.	

ALL TEST LISTING

K			
	Ketones - Blood	1ml Serum/Plasma.	
	Ketones - Urine	Spot urine	
	Kleihauer	Blood 4 ml in K-EDTA (Mauve top).	
	Kunjin Virus - Serology (Arbovirus, Flavivirus)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
	Kunjin Virus PCR (Arbovirus, Flavivirus)	Clotted Blood 10 ml (Gold top), CSF.	Date of onset of symptoms

ALL TEST LISTING

L			
	Lactate	Blood 2 ml in Fluoride EDTA (Grey top).	
	Lactate Dehydrogenase (LD/LDH)	Clotted Blood 10 ml (Gold top).	
	Lactate Dehydrogenase Isoenzymes	Clotted Blood 10 ml (Gold top).	
	Lamotrigine (Lamictal)	Prefer - Blood 10 ml in Li Heparin (Green top, no gel) or 10 ml K-EDTA (Mauve top). Clotted blood 10 ml (Gold top) is also acceptable.	
	LDH	Clotted Blood 10 ml (Gold top).	
	LDL - Part of Lipid profile	Clotted Blood 10 ml (Gold top).	
	Lead (Pb) - blood	Blood 4 ml in K-EDTA (Mauve top).	
	Lead (Pb) - urine	Recommended: Urine 24 h in metal free container with 50 ml 2.4 M nitric acid preservative.	
	Legionella - Culture	Respiratory/Biopsy specimens in sterile container.	
	Legionella - Isolation From Water	Contact laboratory for instructions.	
	Legionella - Serology (Legionella total antibody)	Clotted Blood 10 ml (Gold top).	Detects L. pneumophila types 1 and 2 and L. longbeachae only.
	Legionella Urinary Antigen Detection (Urine Test for Legionella pneumophila type 1)	Urine.	Detects L. pneumophila type 1 only.
	Leishmaniasis - Serology	Clotted Blood 10 ml (Gold top).	Low diagnostic value in cutaneous Leishmaniasis. Date of onset of symptoms
	Leptospirosis Serology	Clotted Blood 10 ml (Gold top).	

ALL TEST LISTING

Leucocyte Alkaline Phosphatase (Neutrophil Alkaline Phosphatase, LAP)	No longer performed at laboratory.	Please contact on-call Haematologist for further advice.
Leucocyte Crossmatch (Lymphocytotoxic Antibodies)	Clotted Blood 10 ml (Gold top).	DO NOT centrifuge or separate serum.
LEUK Gene Rearrangements - for APLM & ALL	Blood 20 ml K-EDTA	
LH	Clotted Blood 10 ml (Gold top).	
LHRH Stimulation Test	Clotted Blood 4 x 10 ml (Gold top).	Contact laboratory Clinical Chemist before proceeding with the test.
Li Fraumeni Syndrome Full Gene Screen (TP53 gene test, P53 gene test)	10ml blood in EDTA (preferred) or Lithium Heparin.	Informed consent is essential. Family history
Li Fraumeni Syndrome Known Mutation Screen (TP53 Presymptomatic test, TP53 confirmatory test)	10ml blood in EDTA (preferred) or Lithium Heparin.	Informed consent is essential. Location of familial mutation
Lignocaine (Lidocaine, xylocaine)	Clotted Blood 10 ml (Gold top).	Cardiovascular drug
Linoleic Acid	Blood 10 ml in Li Heparin (Green top).	
Lipase	Clotted Blood 10 ml (Gold top)	
Lipid Studies (Lipids, Fats)	Clotted Blood 10 ml (Gold top).	Patient must fast for 12 hours for best interpretation of the results.
Lipoprotein a (Lpa)	Clotted Blood 10 ml (Gold top)	
Listeria Serology	Antibody test is not available. Please submit blood culture and faeces for bacterial isolation.	
Lithium	Clotted Blood 10 ml (Gold top) DO NOT USE LI HEPARIN TUBE (GREEN TOP).	Collect 8-12 hours after last dose.
Liver Function Tests (LFT)	Clotted Blood 10 ml (Gold top)	

ALL TEST LISTING

LKM Anti Antibodies (Liver, Kidney, Microsomal Antibodies)	Clotted Blood 10 ml (Gold top).	Hepatitis
Low Density Lipoprotein (LDL)	Clotted Blood 10 ml (Gold top)	Included in Lipid Studies.
Low Level IgA	Clotted Blood 10 ml (Gold top).	
LSM - Lymphocyte Surface Markers	Blood/Lymph Node /B-Marrow Blood 10 ml in Li Heparin (Green top) WITHOUT GEL; Marrow in K-EDTA (Mauve top); Lymph Node.	Lymphoma. Referred to QEH or FMC depending on medical referrers request.
Lupus Anticoagulant (Anti phospholipid antibody Inhibitor or LAC, Lupus tests, LA)	3x Blood 4 ml in Na Citrate (Blue top).	State history of thrombosis or long APTT. State if on Heparin or Warfarin.
Luteinising Hormone (LH)	Clotted Blood 10 ml (Gold top).	
Lyme Disease Serology (Borrelia burgdorferi)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Lymph Node Imprint Smears	Fresh Tissue.	Contact nearest laboratory before proceeding with the biopsy.
Lymphocyte Surface Markers (LSM, immunophenotyping, lymphoma, leukaemia, B and T cell markers, flow cytometry)	Blood/Lymph Node /B-Marrow Blood 10 ml in Li Heparin (Green top) WITHOUT GEL; Marrow in K-EDTA (Mauve top); Lymph Node.	Lymphoma. Referred to QEH or FMC depending on medical referrers request.
Lymphogranuloma Venereum - Serology (See Chlamydomphila serology)	Clotted Blood 10 ml (Gold top).	
Lysine	Spot urine.	

ALL TEST LISTING

M			
	Magnesium (Red Cell Mg, Magnesium)	Blood 10 ml in Li Heparin (Green top).	
	Magnesium (Serum, Mg)	Clotted Blood 10 ml (Gold top)	
	Magnesium (Urine Mg)	Fresh spot urine	
	Malarial Parasites (Malaria, Plasmodium, P falciparum, P vivax)	Blood 4 ml in K-EDTA (Mauve top).	Collected at temperature peak. Prepare thick and thin films if delay in delivery to Laboratory is expected.
	Manganese (Mn)	Blood 4 ml in K-EDTA (Mauve top) or Li Heparin (Green Top).	Occupational exposure
	Mannose Binding Lectin	Blood 4 ml in K-EDTA (Mauve top).	Whole blood required.
	Mannose Binding Lectin (Screen or MBL)	10 ml serum (Gold top).	
	Marijuana (Cannabis)	Spot urine with no preservative.	
	Measles - Serology or Rubeola	Clotted Blood 10 ml (Gold top).	Please specify if IgG, IgM or both are required.
	Measles Virus Detection (Measles virus PCR)	Naso-pharyngeal aspirate, throat swab or conjunctival swab in viral transport medium.	Date of onset of symptoms.
	MELAS Screen (Myoclonic Epilepsy Lactic Acidosis Stroke)	Blood 4 ml in K-EDTA and urine.	
	Melioidosis Serology (Burkholderia pseudomallei antibody)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
	Meningococcal PCR (Neisseria meningitidis)	Blood 4 ml in K-EDTA (Mauve top).	Date of onset of symptoms
	Mercury (Hg) - Blood	Blood 4 ml in K-EDTA (Mauve top).	
	Mercury (Hg) - Urine	Recommended: Urine 24 h in metal free container with 50 ml 2.4 M nitric acid preservative.	

ALL TEST LISTING

Mesomark (Soluble Mesothelin Related Peptide SMRP)	Clotted blood 10 ml (Gold top).	
Metabolic Urine Screen (Amino Acid, Organic Acid)	Spot urine or 24 hr collection.	
Metadrenaline / Metanoradrenaline (Metanephrines)	Urine 24 h with 50 ml 2.4M HCl preservative.	
Metanephrine Free - Plasma only	Blood 10 ml in Li Heparin (Green top)	
Metaprolol		
Methadone (Opioid level)	Clotted Blood 10 ml (Gold top).	
Methicillin Resistant Staph Aureus (MRSA)	Swabs from nose, axilla & groin in Amies transport medium.	
Methotrexate	Lithium Heparin 10ml	Keep out of light wrap in foil. Delivered Urgently to the WACH
Methoxy Hydroxy Mandelic Acid (MHMA)	Urine 24h with 50 ml 2.4M HCl preservative.	Contact laboratory for dietary and drug restrictions.
Methyl Alcohol	10 ml Clotted or heparinised blood (White/Green top).	
Methylene Tetrahydrofolate Reductase Gene (MTHFR)	Blood 4 ml in K-EDTA or NaCitrate.	Send whole blood. DO NOT separate plasma.
Methylmalonic Acid (MMA)	Blood 10 ml in Li Heparin (Green top).	
Methylphenobarbitone	Clotted Blood 10 ml (Gold top).	Measured as Phenobarbitone.
Mexilitine (Mexitol)	Blood 10 ml in Li Heparin (Green top).	Recording the time of the last dose is helpful. Trough specimen recommended. Cardiovascular drug
MHMA - Methoxy Hydroxy Mandelic Acid	Urine 24h with 50 ml 2.4M HCl preservative.	Contact laboratory for dietary and drug restrictions.
Microsatellite Instability Analysis (MSI)	Blood 10ml EDTA (Mauve top) plus paraffin block of tumour sample.	Patients must satisfy strict criteria for testing. Contact the laboratory for details.

ALL TEST LISTING

Microscopy and Culture - Urine	Clean catch, midstream or catheter urine (10-20 ml) in a sterile container.	Deliver to the laboratory as soon as possible. Refrigerate if a delay of >30 mins is expected.
Mismatch repair gene immunohistochemistry (HNPCC)	Tumour sections 1 x H&E, 10 unstained (polysine) slides and Normal tissue 1 x H&E, 3 unstained (polysine) slides. Copy of pathology report.	Patients requiring screening must fulfil regulations set down by the Familial Cancer Unit based on the "Bethesda Guidelines".
Mitochondrial DNA Assay (mtDNA, Leber's Optic Neuropathy, Mitochondrial DNA Mutations)	Blood 10 ml in K-EDTA (Mauve top) or 10 ml ACD whole blood. Other specimens eg muscle, nerve, skin or other biopsy as directed.	Obtain consent and clinical data forms from Dr Scott Grist, FMC 8204 5275 prior to requesting this test.
Molluscum Contagiosum Virus	Vesicular Fluid in viral transport medium.	
Molybdenum	2 x 4 ml K-EDTA (Mauve top).	
Morphine (Qualitative)	Spot urine with no preservative.	
Morphine (Quantitative) or (Opioid level)	Clotted blood 10 ml (Gold top).	
MTHFR - Methylene Tetrahydrofolate Reductase Gene	Blood 4 ml in K-EDTA or NaCitrata.	Send whole blood. DO NOT separate plasma.
Mucopolysaccharides - Urine	Urine.	
Multiple Endocrine Neoplasia Type I Full Gene Screen (MEN I gene test)	10ml blood in EDTA (preferred) or Lithium Heparin.	Informed consent is essential. Family history
Multiple Endocrine Neoplasia Type I Known Mutation Screen (MEN I Presymptomatic test, MEN I confirmatory test.)	10ml blood in EDTA (preferred) or Lithium Heparin.	Informed consent is essential. Location of familial mutation
Multiple Endocrine Neoplasia Type II Full Gene Screen. (MEN II gene test, RET gene test.)	Blood 10 ml in K-EDTA.	Informed consent is essential. Family history to be provided.

ALL TEST LISTING

Multiple Endocrine Neoplasia Type II Known Mutation Screen. (MEN II/RET Presymptomatic test, MEN II/RET confirmatory test.)	10ml blood in EDTA (preferred) or Lithium Heparin.	Informed consent is essential. Location of familial mutation
Multiplex PCR	Blood 10 ml in K-EDTA (Mauve top).	
Mumps Virus Detection	Naso-pharyngeal aspirate, nose and throat swabs in 2 ml viral transport medium CSF, Urine in sterile containers.	
Mumps Virus Serology	Clotted Blood 10 ml (Gold top).	Please specify whether IgG and/or IgM tests are required.
Muramidase (Lysozyme)	Clotted Blood 10 ml (Gold top).	
Murray Valley Encephalitis PCR (MVE, Flavivirus, Arbovirus)	Clotted blood 10 ml (Gold top), CSF.	Date of onset of symptoms
Murray Valley Encephalitis Virus Serology (Arbovirus, Flavivirus)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Muscle Biopsy		Contact laboratory for collection information.
Muscular Dystrophy (Myotonic Dystrophy)	Blood 10 ml in K-EDTA.	Contact W&CH Molecular Genetics Lab.
Mycobacterium Ulcerans PCR	Fresh tissue biopsy or wound swab.	
Mycology (Fungal) - Micro and Culture	Skin or plucked hair, nail clippings, biopsy tissue, CSF, fluid, urine or pus in specimens in sterile container.	Cultures are incubated for up to 4 weeks.
Mycophenolic Acid (Mycophenolate)	Blood 4 ml in K-EDTA (Mauve top).	
Mycoplasma and Ureaplasma PCR	Swabs in transport medium.	Any transport medium is appropriate. DO NOT use a wooden shafted swab.

ALL TEST LISTING

Mycoplasma Culture - Urine	Genital swab or urine.	
Mycoplasma Pneumoniae PCR	Tracheal/nasopharangeal aspirate, sputum, bronchial alveolar lavage.	Date of onset of symptoms
Mycoplasma pneumoniae Serology	Clotted Blood 10 ml (Gold top).	
Myelin Associated Glycoprotein Antibodies (MAG)	Clotted blood 10 ml (Gold top).	For collection details contact Sullivan Nicolaides Pathology (07) 3377 8666
Myoglobin - Serum	Clotted Blood 10 ml (Gold top).	

ALL TEST LISTING

N			
	NAT - Nucleic Acid Testing	Blood 4 ml x 2 in K-EDTA (Pearl top) plasma prep tube (BD).	
	Needle Biopsy of organ or tissue (see separate entry for Renal Biopsy)	Tissue in 10% formalin. Proper fixation requires the volume of formalin to be 10 times that of the tissue.	
	Neisseria gonorrhoea culture	Swabs in Amies transport medium. Fluids in a sterile container.	
	Neisseria gonorrhoea DNA (Gonococcal DNA or PCR)	Urine/genital PCR swab.	
	Nephrogenous Cyclic AMP (Cyclic AMP, cAMP)	Urine special collection and blood.	Differential diagnosis of hypercalcaemia
	Nerve Biopsy		Telephone Laboratory for collection information.
	Neurofibromatosis Type 2 Full Gene screen (NF2 Gene test)	10 ml blood in EDTA (preferred) or Lithium Heparin. Tumour in dry sterile container if fresh or as paraffin blocks	Consent is essential. Type number and location of tumours. Family history.
	Neurofibromatosis Type 2 Known Mutation Screen. (NF2 Presymptomatic test, NF2 confirmatory test.)	10ml blood in EDTA (preferred) or Lithium Heparin.	Consent is essential. Location of familial mutation
	Neuron Specific Enolase (NSE)	Clotted Blood 10 ml (Gold top).	Haemolysed specimens are not acceptable. Small cell carcinoma and melanoma
	Neurotensin		
	Neutralising Antibodies (for Interferon B, Betaferon)	Blood 5 ml (PAXgene blood RNA tube). Request for container via ICPMR.	Contact laboratory or ICPMR direct for specimen container. Samples collected 9-15 hours after IFNB treatment. IFNB therapy for multiple sclerosis.
	Neutrophil Antibodies (Anti Neutrophil Antibodies)	Blood 10 ml in K-EDTA (Mauve top) PLUS Clotted blood 10 ml - NO GEL (red top).	Do not collect Friday, Saturday or Sunday.

ALL TEST LISTING

Neutrophil Function Test (Polymorph Function Test)	Blood 10 ml in Li Heparin (Green top). Plus 2 ml serum (Gold top).	
NH3 - Ammonia - Blood	Blood - Contact the laboratory for a special ammonia free container.	
NH3 - Ammonia - Urine	Urine with minimal air space. Lab must be notified before collection. Min vol 2.0 mL.	
Nipple discharge (Cytology)	Slides forwarded in mailer boxes.	Slides air-dried and spray fixed.
Nitrazepam - Blood	Clotted Blood 10 ml (Gold top).	
Nitrazepam - Qualitative	Spot urine - no preservative.	
Noradrenaline	Urine 24 h with 50 ml 24M HCl preservative.	
Normalized Androgen Ratio (NAR)	Clotted Blood 10 ml (Gold top).	
NSE - Neuron Specific Enolase	Clotted Blood 10 ml (Gold top).	Haemolysed specimens are not acceptable. Small cell carcinoma and melanoma
Nucleic Acid Testing (NAT)	Blood 4 ml x 2 in K-EDTA (Pearl top) plasma prep tube (BD).	

ALL TEST LISTING

O			
	Oestriol (E 3)	Clotted Blood 10 ml (Gold top).	
	Oestrogen	Clotted Blood 10 ml (Gold top).	
	Oestrone (E1)	Clotted Blood 10 ml (Gold top).	
	Olanzapine	Blood 10 ml in Li Heparin (Green top - NO GEL or Gold top)	
	Oligodendroglioma genetic test. (ODG LOH analysis)	10 ml peripheral blood in EDTA (Mauve top) and paraffin block of tumour.	Signed consent form is required from referring institution. Details of who is to pay for the test, including billing information. Paraffin embedded blocks containing tissue and copy of pathology report is essential.
	ORF Serology (Contagious pustular dermatitis (scabby mouth))	Clotted Blood 10 ml (Gold top).	
	ORF Virus Detection (Contagious pustular dermatitis (scabby mouth))	Vesicula Fluid from lesion in viral transport medium.	
	Organochlorine Pesticides (Dieldrin, Lindane)	Blood 4 ml in Li Heparin (Green top) or K-EDTA (Mauve top).	Organochlorine pesticide exposure
	Osmolality - Serial	Clotted Blood 10 ml (Gold top) and urine at start of test. Then hourly urines.	
	Osmolality - Serum, measured	Clotted Blood 10 ml (Gold top)	
	Osmolality - Urine, measured	Spot urine.	
	Osmotic Fragility	Defibrinated blood.	Special collection by appointment. Notify Transfusion.
	Ospolot (Sulthiam)	Clotted Blood 10 ml (Gold top)	
	Osteocalcin	Clotted Blood 10 ml (Gold top).	

ALL TEST LISTING

Oxalate - Urine	Urine 24h with 50 ml 2.4 M hydrochloric acid preservative.	DO NOT REFRIGERATE. Calcium and phosphate can be performed on the same specimen.
Oxazepam - Qualitative	Spot urine - no preservative.	
Oxazepam - Quantitative	Clotted Blood 10 ml (Gold top).	

ALL TEST LISTING

P			
	Packed Cell Volume (PCV/Haematocrit/HCT)	Blood 4 ml in K-EDTA (Mauve top).	Generally reported as part of FBE.
	Pancreatic Polypeptide	Fasting Clotted Blood 10 ml (Gold top).	Freeze serum as soon as possible after collection. Endocrine tumour
	PAP Smear (Cervical Cytology, Papanicolaou Smear, Cynaecological Cytology.)	Pap smear collection kit.	Collection instructions are available from laboratory on request.
	Paracetamol	Blood 10 ml in Li Heparin (Green top).	Absorption is maximal at 4 hours after the dose. Time of ingestion should be stated on the request form if known.
	Parainfluenza Virus - Serology (Paraflu)	Clotted Blood 10 ml (Gold top).	Paired sera are preferred.
	Parainfluenza Virus Detection (Paraflu)	Naso-pharyngeal aspirate, nose and throat swabs in viral transport medium, sputum.	
	Paraprotein Qualitative - Blood (Serum protein electrophoresis, EPG, EPP)	Clotted blood 10 ml (Gold top).	Multiple myeloma
	Parasites - Faecal	Faeces 5-10g (walnut size) in sterile container or 5-10 ml of fluid.	Maximum two specimens per week.Recent relevant overseas travel should be stated.
	Parathyroid Hormone (PTH)	Clotted Blood 10 ml (Gold top).	Specimen must reach the laboratory in 4 to 8 hours after collection.
	Parathyroid Hormone Related Peptide. (PTHrP; PTHRP)	Blood 5 ml in special collection tube.	Collection tubes available from laboratory.
	Parentage (Paternity) Testing	Special collection procedures are required.	Enquiries can be directed to Mile End laboratory for further assistance.
	Paroxysmal Cold Haemoglobinuria (PNA) or (PCH Screen)	Clotted Blood 10 ml (Gold top) collected at 37°C.	
	Paroxysmal Nocturnal Haemoglobinuria - CD59/CD55 or (PNH)	Blood 10 ml in Li Heparin (Green top) or EDTA. DO NOT use gel tubes.	Paroxysmal Nocturnal Haemoglobinuria

ALL TEST LISTING

Parvovirus B19 Serology (Erythema infectiosum, fifth disease)	Clotted Blood 10 ml (Gold top).	
Parvovirus DNA PCR (Parvovirus B19)	Blood 10 ml in K-EDTA (Mauve top).	Please collect a dedicated sample for Nucleic Acid Testing (PCR). Special collection and transport conditions apply, contact the laboratory for assistance.
Paul Bunnell Screen (Monospot, Infectious Mononucleosis, PB, IM)	Blood 4 ml K-EDTA (Mauve top), clotted blood (serum) is also suitable.	Test not as reliable as the more specific EBV serology.
PCA, - Anti Parietal Cell Antibody gastric parietal cell antibodies)	Clotted Blood 10 ml (Gold top).	Pernicious anaemia
Pemphigus antibodies (Skin antibodies)	Clotted Blood 10 ml (Gold top).	Pemphigus
Penicillin Allergy - RAST	Clotted Blood 10 ml (Gold top).	Allergy
Penicillin Assay	Clotted Blood 10 ml (Gold top).	Consult Clinical Microbiologist.
Perhexiline	Blood 10 ml in Li Heparin (Green top). Do not use gel tubes. OR Blood 4 ml in EDTA (Mauve top).	Trough level preferred or collect at least 6 hours after last dose.
Pericardial Fluid - Biochemistry	Fluid in sterile container.	Cholesterol, Total Protein and LDH performed.
Peritoneal Fluid - Biochemistry	Fluid in sterile container plus Clotted Blood 10 ml (Gold top).	
Pethidine / norPethidine (Opioid level)	Clotted Blood 10 ml (Gold top).	
Phenobarbitone	Clotted Blood 10 ml (Gold top).	Specimen taken prior to next dose.
Phenothiazines	Spot urine. No preservative.	
Phenytoin (Dilantin)	Clotted Blood 10 ml (Gold top)	Specimen taken prior to next dose.
Phenytoin - Free	Clotted Blood 10 ml (Red top) - no gel	Monitoring phenytoin
Phosphate - Serum	Clotted Blood 10 ml (Gold top)	A fasting specimen is preferable.

ALL TEST LISTING

Phosphate - Urine	Urine 24 h with 50 ml 2.4 M hydrochloric acid preservative.	Calcium and oxalate can be performed on the same specimen.
Phytanic - Acid	Blood 10 ml in Li Heparin (Green top) or K-EDTA (Mauve top).	
Phytanic Acid - Urine	Urine Spot.	
Pin Worm Examination (Enterobius vermicularis)	Cellotape (slide) test.	Collect specimen in morning before using toilet or bathing. Contact laboratory for detailed instructions.
PIR Study		
Plasminogen (PLG, Lysis time, Plasminogen assay, Plg assay.)	Blood 4.0 ml in Na Citrate (Blue top).	State clinical history
Platelet Aggregation (Function) (Plt agg)	By appointment. Minimum volume is 30 ml. Usual volume is 60 ml.	laboratory staff will perform tests by appointment. Blood collected at Mile End. Transport at room temperature.State history of bleeding and drugs
Platelet Antibodies (Platelet Associated Immunoglobulin, ITP antibody) or (Antiplatelet antibody)	Blood 6 x 4.0 ml in K-EDTA (Mauve tops) and 10 ml Clotted Blood (Gold top).	For autoantibodies associated with idiopathic thrombocytopenic purpura. Idiopathic thrombocytopenia
Platelet Function Screen or Platelet Function Analysis (PFA) or (PFA, Bleeding time (this test no longer performed), Platelet function study.)	Blood 2 x 4.0 ml citrate tube (Blue top).	Send immediately to lab marked urgent. Aspirin, NSAIDs invalidate test. State history of bleeding. State if on aspirin or NSAID.
Pleural Fluid - Biochemistry	Fluid in sterile container plus 10 ml Clotted Blood (Gold top). Fluid in a bloodgas syringe for pH.	The tests Albumin, Protein, Cholesterol and LD are performed.
PML Ab - Anti Promyelocytic Leukaemia Antibody	Bone marrow in Lithium heparin (Green top) without gel or in Na Heparin.	Specimen to be kept at room temperature.
Pneumococcal Antibody	Clotted Blood 10 ml (Gold top)	Immunodeficiency

ALL TEST LISTING

Pneumococcal Antigen Detection	CSF, Sputum in sterile container or Clotted Blood 10 ml (Gold top).	Contact a Clinical Microbiologist for assistance.
Pneumococcal PCR (Streptococcus pneumoniae)	Blood 4 ml in K-EDTA (Mauve top).	
Pneumocystis (PCP)	Induced sputum, bronchial lavage or tracheal aspirates in sterile container.	
Pneumocystis jirovecii (formerly P. carini) Serology	Antibody test is not available. Please contact clinical microbiologist for advice.	
Poliovirus - Culture	Naso-pharyngeal aspirate, nose and throat swabs in viral transport medium CSF and 2x faeces 24-48 hrs apart.	Contact a Clinical Microbiologist for assistance.
Poliovirus Serology		Perform only if clinical suspicion of acute infection. Date of onset of symptoms. Contact a Clinical Microbiologist for assistance.
Polyoma Virus PCR (BK virus, JC virus)	Clotted Blood 10 ml (Gold top), urine, CSF	Date of onset of symptoms
Porphyrin - Faeces	15-20 g faeces.	Collect during period of attack or sensitivity. Deliver within 24 hours. Keep cool and protect from light in brown paper bag.
Porphyrin - Red Cell	Blood 10 ml in Li Heparin (Green top).	Keep specimen cool and protected from light. Send whole sample - do not separate plasma.
Porphyrin - Urine including Porphobilinogen (PBG)	Spot urine.	Keep in the dark eg. wrap in paper bag or aluminium foil. Telephone laboratory in advance.
Porphyryns (PBG)	Spot urine required	Collect during period of attack or sensitivity. Deliver within 24 hours. Keep cool and protect from light in brown paper bag.
Potassium - Serum or Plasma	Clotted Blood 10 ml (Gold top)	Falsely high values are obtained if blood specimen is haemolysed, stored in the fridge or is more than 4 hours old before serum/plasma is separated.
Potassium - Urine	Spot urine.	24 h urine potassium may be useful in assessing potassium loss in conditions such as Conn's Syndrome and other unusual hypokalaemias.

ALL TEST LISTING

Poxvirus PCR (Old World Pox, small pox, vaccinia, monkey pox, cowpox, buffalo pox, camel pox.)	Vesicular fluid or swab	Consultation with clinical microbiologist required before ordering the test.
Primidone	Clotted Blood 10 ml (Gold top).	Measured as Phenobarbitone. Specimen taken prior to next dose.
Pro insulin	Clotted blood 10 ml (Gold top).	
Progenitor cells (CD34)	Bone Marrow and Blood 10 ml in Lithium or Sodium Heparin.	
Progesterone	Clotted Blood 10 ml (Gold top).	
Progesterone (17 OH Progesterone)	Clotted Blood 10 ml (Gold top).	
Prolactin	Clotted Blood 10 ml (Gold top).	
Prominal	Clotted Blood 10 ml (Gold top).	Specimen taken prior to next dose.
Prostate Specific Antigen (PSA)	Clotted Blood 10 ml (Gold top).	
Protein - Urine	Urine 24 h with no preservative.	
Protein 14-3-3 - CSF (Creutzfeldt Jacob Disease, CJD)	CSF 0.5 ml	
Protein C (PC)	Blood 4 ml in Na Citrate (Blue top).	State history of thrombosis. State if on Warfarin.
Protein C & S	Blood 4 ml in Na Citrate (Blue top).	Transport on ice Urgent delivery to IMVS
Protein Electrophoresis (EPG, SEPP)	Clotted Blood (Gold top) 10 ml.	Multiple myeloma
Protein S Antigen (Free) or (PS)	Blood 4 ml in Na Citrate (Blue top).	State history of thrombosis. State if on warfarin.
Prothiaden	Clotted Blood 10 ml (Gold top).	

ALL TEST LISTING

Prothrombin gene mutation (PGM) or (Prothrombin 20210, Factor II mutation.)	Blood 4 ml in K-EDTA (Mauve top) or Na Citrate (Blue top).	State history of thrombosis
Prozac (Fluoxetine/Norfluoxetine)	Clotted Blood 10 ml (Gold top).	Drug monitoring
PSA - Prostate Specific Antigen	Clotted Blood 10 ml (Gold top).	
Psittacosis (Ornithosis) - Serology (See chlamydoiphila)	Clotted Blood 10 ml (Gold top).	Paired sera preferred.
PTH - Parathyroid Hormone	Clotted Blood 10 ml (Gold top).	Specimen must reach the laboratory in 4 to 8 hours after collection.
PTHrP; PTHrP - Parathyroid Hormone Related Peptide.	Blood 5 ml in special collection tube.	Collection tubes available from laboratory.
Pyridoxine	Blood 10 ml in Li Heparin (Green top) without gel.	
Pyruvate	Special collection tube is required. Collect on ice.	Contact laboratory for collection tube and details. Collect and transport on ice, send URGENTLY to laboratory.
Pyruvate Kinase	Blood 10 ml (Mauve top) in K-EDTA or Li Heparin.	

ALL TEST LISTING

Q			
	Q Fever - Serology (Coxiella burnetii serology)	Clotted Blood 10 ml (Gold top).	Paired sera preferred.
	Q Fever PCR (Coxiella burnetii)	Blood 10 ml in K-EDTA (Mauve top).	
	Quantiferon (Quantiferon TB)	Blood in 3 Quantiferon TB collection tubes 1 ml in each.	Tubes available from Human Immunology. Transport at room temperature. Must reach lab within 16 hrs of collection.
	Quetiapine (Seroquel)	Blood 10 ml in Li Heparin (Green top) - no gel or K-EDTA 10 ml.	
	Quinidine	Clotted Blood 10 ml (Gold top)	
	Quinine	Contact Toxicology. 8222 3353.	

ALL TEST LISTING

R			
	Rabies Serology (Australian Bat Lyssavirus)	Clotted Blood 10 ml (Gold top).	This test is for confirmation of immunity not diagnosis. Provide contact history, date of onset of symptoms and immunisation status
	RAST, specific IgE) - Allergy Testing	Clotted Blood 10 ml (Gold top).	Please list allergens to be tested. Maximum of 4 patient episodes per 12 months.
	Red Cell Autoantibody Screen	Clotted Blood (Gold top) 10 ml + 10 ml K-EDTA (Mauve top).	Collected at 37 Deg C by Patient Centre or Regional Laboratory staff.
	Red Cell Folate	Blood 4 ml in K-EDTA (Mauve top).	Fasting specimen preferred
	Red Cell Fragility Screen (Osmotic Fragility)	Blood Defibrinated.	Special collection procedure can be arranged by appointment.
	Renal Biopsy		Contact laboratory for assistance
	Renin	4 ml Blood in K-EDTA (Mauve top).	Record patient posture (erect, ambulant or supine) during collection. Specimens must arrive in laboratory within 2 hours of collection. Collect paired aldosterone specimen.
	Respiratory Syncytial Virus Detection. (RSV antigen detection and culture)	Naso-pharyngeal aspirate. Nose and throat swabs in viral transport medium. Sputum.	
	Respiratory Syncytial Virus Serology. (RSV antibody)	Clotted Blood 10 ml (Gold top).	Paired sera preferred.
	Respiratory Viruses - Serology	Clotted Blood 10 ml (Gold top).	
	Respiratory Viruses Detection	Naso-pharyngeal aspirate, nose and throat swabs in viral transport medium. Sputum.	
	Reticulated Platelets or Immature Platelet Fraction, IPF	Blood 4ml in K-EDTA (Mauve top).	Test can be performed on the FBE sample.
	Reticulocyte Count	Blood 4 ml in K-EDTA (Mauve top).	Test can be performed on the FBE sample.

ALL TEST LISTING

Retinoblastoma gene analysis. (RB gene test, RB1 gene test)	Blood 20 ml in K-EDTA (Mauve top) and 10 ml Li-Heparin.	Consent is essential.
Retinoblastoma Known Mutation Screen. (RB presymptomatic test, RB confirmatory test)	Blood 4 ml in K-EDTA.	Consent is essential. Location of familial mutation
Reverse T3 or rT3	Clotted Blood 10 ml (Gold top)	Thyroid disease
(Reyataz) - Atazatavir	Blood 4 ml in K-EDTA (Mauve top).	
RF	Clotted Blood 10 ml (Gold top)	
Rheumatoid Factor or RF	Clotted Blood 10 ml (Gold top) or fluid	Rheumatoid arthritis
Rhinovirus Culture	Naso-pharyngeal aspirate. Nose and throat swabs in viral transport medium	Common cold
Ribosomal P (RNP-P)	Clotted Blood 10 ml (Gold top).	SLE
Rickettsia PCR	Blood 10 ml in K-EDTA (Mauve top).	Date of onset of symptoms
Rickettsial Culture	Blood 10 ml in K-EDTA (Mauve top).	Date of onset of symptoms
Rickettsial Serology (Rickettsia Antibodies, Scrub typhus)	Clotted Blood 10 ml (Gold top)	
Risperidone (Risperdal)	Clotted Blood 10 ml (Red top - NO GEL) or Blood 10 ml in Li Heparin (NO GEL).	
Ross River Virus Serology (RRV antibody)	Clotted Blood 10 ml (Gold top)	Please specify if IgG and/or IgM testing is required.
Rotavirus Detection	Faeces walnut size or 5-10 ml in fluid.	

ALL TEST LISTING

RSV - Serology	Clotted Blood 10 ml (Gold top).	
RSV Detection	Naso-pharyngeal aspirate, nose and throat swabs in viral transport medium. Sputum.	
Rubella Detection	Naso-pharyngeal aspirate. Nose, throat swab and conjunctival swabs.	
Rubella Serology (German measles)	Clotted Blood 10 ml (Gold top).	Please specify if IgG and/or IgM testing is required. Provide date of onset and symptoms.
Russell's Viper Venom Time (dRVVT)	3x Blood 4 ml in Na Citrate (Blue top).	Part of lupus anticoagulant screen. State history of thrombosis or long APTT.

ALL TEST LISTING

S			
	Salicylate	Clotted blood 10 ml (Gold top).	
	Salmonella - Culture	Faeces walnut size or 5-10 ml if fluid.	
	SARS Serology (Severe acute respiratory syndrome)	Clotted Blood 10 ml (Gold top).	Provide date of onset and symptoms.
	Scabies	Skin Scrapings in sealed container.	Contact laboratory for assistance.
	Schilling's Test	24 hr urine collection using a special collection kit.	Contact laboratory to arrange delivery of the collection pack.
	Schistosomiasis - Microscopy (Bilharzia)	Faeces walnut size or 12h urine collection.	Telephone laboratory for container (iodine preservative) details and instructions. Note any relevant overseas travel on the request form.
	Schistosomiasis - Serology (Bilharzia, S. haemolooium, S. mansonii)	Clotted Blood 10 ml (Gold top).	
	Selenium	Blood 10 ml in Li Heparin (Green top).	
	Semen Analysis Fertility	Ejaculate in sterile container.	Deliver to laboratory within 1 hour of collection.
	Semen Analysis	Ejaculate in sterile container.	Deliver to laboratory within 1 hour of collection.
	Semen Analysis Post Vasectomy	Ejaculate in sterile container.	Deliver to Laboratory with the next scheduled courier
	Serotonin - Platelet	-	Please contact the laboratory
	Serotonin - Serum (5 Hydroxy Tryptamine, 5HT)	Blood 10 ml in Lithium Heparin (Green top).	Contact laboratory for assistance.
SEPP - Protein Electrophoresis EPG,	Clotted Blood (Gold top) 10 ml.	Multiple myeloma	

ALL TEST LISTING

Serotonin - Urine (5 Hydroxy Tryptamine, 5HT)	Urine 24 h with 50 ml of 2.4M hydrochloric acid preservative.	Contact laboratory for dietary and drug restrictions.
Serum Light Chains (SLC, kappa LC, Lambda LC)	Clotted Blood 10 ml (Gold top).	Amyloidosis
Sex Hormone Binding Globulin	Clotted Blood 10 ml (Gold top).	Sex hormone binding globulin plus testosterone can be used to calculate the free androgen index.
SHBG - Sex Hormone Binding Globulin	Clotted Blood 10 ml (Gold top).	Sex hormone binding globulin plus testosterone can be used to calculate the free androgen index.
Shigella - Culture	Faeces walnut size or 5-10 ml if fluid.	
Shingles Virus Detection (Varicella-Zoster Detection)	Swabs, scrapings, fluid from lesion in viral transport medium/swab.	
Sickle Cell Test	Blood 4 ml in K-EDTA (Mauve top).	
Sirolimus	Blood 4 ml in K-EDTA (Mauve top) on ice.	
Skin Scrapings - Fungal Examination	Various specimens in sterile container or in black paper envelope.	Cultures incubated for up to 4 weeks.
SLA antibody - Anti-Soluble Liver Antigen	Clotted Blood 10 ml (Gold top).	Autoimmune Hepatitis type 1 or 2.
Snake Venom Detection	A swab from the bite site is the preferred sample.	Spot urine or blood 10 ml in Li Heparin (Green top) may be useful. Describe bite details.
Sodium - Blood	Clotted blood 10 ml (Gold top)	
Sodium - Urine	Spot urine.	
Solian (Amisulpride)	Blood 10 ml in Li Heparin (NO GEL) green top.	
Sotalol	Clotted Blood 10 ml NO GEL (Red top).	

ALL TEST LISTING

Sperm Antibodies (Sperm Antibodies, SIT, Semen Antibodies)	Clotted Blood 10 ml (Gold top).	
Sperm Immobilisation Antibodies (Semen Antibodies)	Clotted Blood 10 ml (Gold top).	
Spore Strips (Sterility Test)	Test strips are available from laboratory on request.	
Sputum - Eosinophils	Sputum in sterile container.	
Sputum - Malignant Cells	Sterile container.	Fresh early morning specimen on three consecutive days.
Sputum - Routine Culture	Sputum in sterile container.	
Sputum - TB (Acid Fast Bacilli)	Sputum in sterile container.	Fresh early morning specimen on three consecutive days.
STD Screen		Not a valid request. Please specify individual test requirements, eg., HBV, HCV, HIV, HSV, Syphilis.
Steroid Metabolites - Urine	24 hr urine (no preservative).	
Steroids - Urine, Fractionated	24 hr or spot urine.	Boric Acid preservative can be used. Store in the refrigerator.
Stones (Calculi)	Stone/Calculi.	
STORCH serology (Syph, Toxo, Rubella, CMV, HSV)	Clotted Blood 10 (Gold top) ml.	This is not an acceptable abbreviation for test ordering. Please specify which individual microbial antibody tests are required, eg syphilis, toxoplasma, rubella, CMV, HSV.
Streptococcal Serology (See anti-DNAse B antibody & anti-streptolysin O titre)	Clotted Blood 10 ml (Gold top).	ASOT and ADB tests are performed.
Strongyloides - Culture	Faeces walnut size or 5-10 ml if fluid.	
Strongyloides Serology (Strongyloidiasis)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Strontium		Contact laboratory for assistance

ALL TEST LISTING

Sulphonylurea	Clotted Blood 10 ml (Gold top).	Sulphonylurea ingestion
Sulthiam	Blood 10 ml in Li Heparin (Green top).	
Swabs - Micro, Culture Sensitivity	Various specimens in transport medium.	
Synacthen Stimulation Test (Short Synacthen Test)	Clotted blood 10 ml x 3 (Gold top) for cortisol levels.	Test can be arranged by contacting Mile End Patient Centre. Basal sample collected then 0.25 mg aqueous synacthen administered by intramuscular injection into the deltoid muscle. Further samples taken at 30 & 60 minutes.
Synovial Fluid - Crystals and Cytology	Synovial fluid 5-10 ml in Li Heparin (Green top) without gel.	Specimen should be forwarded fresh and unfixated as soon as possible. Refrigerate but do not freeze. .
Synovial Fluid - Culture	Fluid 5-10 ml in sterile container.	
Syphilis serology (Luetic antibody, Treponema pallidum, STS)	Clotted Blood 10 ml (Gold top).	

ALL TEST LISTING

T			
	T3 T4 - Part of TFT	Clotted blood 10ml (Gold Top)	Included in TFT/TSH
	T Cell Gene Rearrangements	Blood/Bone Marrow in Li Heparin or K-EDTA. Tissue specimens - fresh in RPMI or paraffin embedded.	Lymphoma, leukaemia
	T cell subsets (CD4/CD8 ratio, CD4 count)	Blood 10 ml in Li Heparin (Green top). EDTA specimen is acceptable.	Immunodeficiency
	Tacrolimus (FK506)	Blood 4 ml in K-EDTA (Mauve top).	
	Tegretol	Clotted Blood 10 ml (Gold top).	
	Teicoplanin (Targocid)	Clotted Blood 10 ml (Gold top).	
	Temazepam - Qualitative	Spot urine - no preservatives.	
	Temazepam - Quantitative	Clotted Blood 10 ml (Gold top).	
	Testosterone	Clotted Blood 10 ml (Gold top).	
	Tetanus Antibodies	Clotted blood 10 ml (Gold top)	
	TFT	Clotted blood 10 ml (Gold top)	
	Thalassaemia (Alpha) DNA Analysis	Blood 4 ml K-EDTA (Mauve top).	These tests are only performed if all other causes of microcytosis have been eliminated. Contact Laboratory. Specimen to DCP Morphology.

ALL TEST LISTING

Thalassaemia (Beta) Gene Sequencing	Blood, chorionic villus or amniotic fluid. For prenatal diagnosis samples from both parents are required to rule out maternal contamination of foetal sample.	
Thallium Urine (T1)	Urine 24 h in metal free container with 50 ml 2.4 M nitric acid preservative.	
Theophylline	Clotted Blood 10 ml (Gold top).	Peak sample 2h after last dose, trough sample prior to next dose.
Thermophilic Actinomycetes	Clotted Blood 10 ml (Gold top)	
Thiamine (Vitamin B1, Thiamine pyrophosphate)	Blood 4ml K-EDTA (Mauve top) or Li Heparin (Green top) without gel.	Do not centrifuge. Wrap in alfoil and store in refrigerator.
ThinPrep (adjunct to Pap smear)	PreservCyt sample vial available from laboratory.	Collection instructions are provided with vials. Forward to laboratory as soon as possible, otherwise store at room temp.
Thiocyanate (Cyanide)	Contact the Toxicology Laboratory for specimen collection assistance.	Nitroprusside therapy
Thiopentone	Clotted Blood 10 ml (Gold top).	Contact laboratory for assistance.
Thiopurine Methyl Transferase (TPMT)	Whole Blood 4 ml in K-EDTA (Mauve top).	A separate specimen is required for this test.
Thrombophilia Screen (PC, PS, AT, FVL, PGM, LUP, CGS, ACL, CLG)	Blood 3 x 4 ml in Na Citrate (Blue top) and 5 ml serum.	tests listed below are currently recommended. Request form should itemise each test required and relevant clinical note.
Thyroglobulin	Clotted Blood 10 ml (Gold top).	
Thyroglobulin Antibodies (ATG)	Clotted Blood 10 ml (Gold top).	
Thyroid Function (TFT, TSH)	Clotted Blood 10 ml (Gold top).	
Thyroid Function - Paediatric	Clotted Blood 5 -1.0 ml (Red top) minimum. DO NOT USE TUBE WITH GEL.	

ALL TEST LISTING

Thyroid Receptor Antibodies (TRAB, Thyroid Stimulating Immunoglobulin (TSI))	Clotted Blood 10 ml (Gold top).	Graves disease
Thyroid Stimulating Hormone (TSH)	Clotted Blood 10 ml (Gold top).	
Thyroxine (Free T4, FT4, T4)	Clotted Blood 10 ml (Gold top).	
Tin (Sn)	Blood 4 ml in K-EDTA (Mauve top) or spot urine.	Tin exposure
Tissue - Micro, Culture, Sensitivity	Tissue in sterile container. If small amount, use transport medium.	Amies transport medium prevents the drying of smaller specimens.
Tissue Immunofluorescence (IF)	Skin, Muscle, Nerve, Lung.	Collected in Michels medium. Test performed on request.
Tissue Typing	Contact laboratory for assistance .	
Tobramycin Assay	Clotted Blood 10 ml (Gold top).	Collect sample 30 min after the end of the infusion and a second sample at 6-22 hours depending on renal function. Once daily dosing only recommended.
Topiramate (Topamax)	Clotted Blood 10 ml (Gold top) or Li Heparin (Green top) no gel.	Anticonvulsant drug
TORCH Culture (Rubella, CMV, HSV, Toxoplasma)	Nasopharyngeal aspirate, urine, CSF, amniotic fluid, lesion swab inl viral transport medium.	Contact laboratory for assistance. Specify the particular microbes requiring testing, eg., toxoplasma, rubella, CMV, HSV.
TORCH Serology (Rubella, CMV, HSV, Toxoplasma)	Clotted Blood 10 ml (Gold top).	This is not an acceptable abbreviation for test ordering. Please specify which individual microbial antibody tests are required eg toxoplasma, rubella, CMV, HSV. For investigation of congenital infection both Mother and Baby's Clotted Blood (Gold top) are

ALL TEST LISTING

Total Complement Screen inc CH100/CH50 (Total haemolytic complement screen, CH100, CH50, Mannose Binding Lectin, MBL)	Clotted Blood 10 ml (Gold top).	Immunodeficiency
Total T4 (Thyroxine - total, TT4)		
Toxocara Serology (Toxocariasis)	Clotted Blood 10 ml (Gold top) or vitreous fluid.	Date of onset of symptoms
Toxoplasma - Serology (T. gondii antibody)	Clotted Blood 10 ml (Gold top).	Please specify whether IgG or IgM testing is required.
Toxoplasma gondii PCR (T. gondii PCR)	Blood 10 ml in K-EDTA (Mauve), CSF, amniotic fluid, tissue.	Date of onset of symptoms
Transferrin	Clotted Blood 10 ml (Gold top).	
Transferrin (Beta 2)	0.5ml discharge fluid in sterile CSF container.	Testing for suspected CSF leak in rhinorrhoea or otorrhoea.
Transferrin - Carbohydrate Deficient (CDT)	Clotted Blood 10 ml (Gold top).	Chronic alcohol abuse
Transferrin Receptor Assay Serum	Clotted blood 10 ml (Gold top).	
Trichinosis Serology (Trichonella)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms
Trichomonas Detection	Vaginal Swab in transport medium.	For optimal results, specimens must be <2 hours old.
Trichomonas PCR	Dry genital swab and/or urine.	Testing referred to reference laboratory
Tricyclic Antidepressants (Qualitative)	Spot urine (30 ml).	
Tricyclic Antidepressants (Quantitative) (Tryptanol, Amitriptyline, Nortriptyline)	Clotted blood 10 ml (Gold top) or Li Heparin (Green top - NO GEL).	Collect 12-16 h after a single dose or one hour before next dose. Tricyclic antidepressant drug
Triglyceride	Clotted Blood 10 ml (Gold top).	For best interpretation, patient should fast for > 12 hours prior to collection.

ALL TEST LISTING

Trimipramine	Clotted Blood 10 ml (Gold top).	
Troponin	Clotted Blood 10 ml (Gold top)	Blood should be collected at least 6 hrs after the onset of chest pain. Noting the time of onset of symptoms and specimen collection time on the request form would be useful. Repeat after a further 12 hrs if the initial test is negative.
Trypanasoma gambiense Serology (Sleeping sickness, African Trypanosomiasis)	Clotted blood 10 ml (Gold top).	Travel history to endemic area and date of onset of symptoms
Trypanosoma cruzi Serology (Chagas disease, American Trypanosomiasis)	Clotted Blood 10 ml (Gold top).	Travel history to endemic area and date of onset of symptoms.
Trypsin	Faeces small hazelnut size in faeces container (fresh within 2 h) (Notify lab before collection).	
Tryptase (Mast cell tryptase)	Venous blood collected and serum separated ASAP. Sample taken between 15 min-3 hr after suspected anaphylaxis.	Anaphylaxis Mastocytosis
TSH	Clotted blood 10 ml (Gold top).	
Typhoid Serology (Widal test, salmonella typhi antibody)	Antibody test is not available. Please submit blood culture and faeces for bacterial isolation.	
Typhus Serology (Rickettsia serology)	Clotted Blood 10 ml (Gold top).	Typhus

ALL TEST LISTING

U			
	Urate (Uric Acid) - Urine	Urine Spot or 24 h without preservative.	
	Urate (Uric Acid) Serum	Clotted Blood 10 ml (Gold top)	
	Urea - Serum (BUN)	Clotted Blood 10 ml (Gold top)	
	Urea - Urine	Spot urine or 24 h without preservative.	
	Urea Breath Test (C13 non radioactive)	Breath Samples.	Contact Patient Centre at Mile End for assistance.
	Urea, Electrolytes, Creatinine (U & E & C)	Clotted Blood 10 ml (Gold top)	Falsely high K values are obtained if blood specimen is haemolysed, stored in the fridge or more than 4 hours old before centrifugation in the laboratory.
	Urethral Swab - bacterial culture	Swab in Amies transport medium.	For best results, a smear on a glass slide should accompany the swab.
	Urine - Dipstick Screen	Fresh urine 20-30 ml in sterile container with no preservative.	
	Urine - Toxicology	Urine 20-30 ml in sterile container with no preservative.	
	Urine Iodine	Spot (early morning) or 24 hr excretion (nil preservative). Minimum amount 10 ml.	

ALL TEST LISTING

V			
	Vaccinia Virus Detection (Pox virus PCR)	Fluid from lesion in viral transport medium.	Consultation clinical microbiologist required before ordering this test.
	Vaginal Culture - Bacterial	Swab in charcoal transport medium.	For best results, a smear on a glass slide should accompany the swab.
	Valproate (Epilem)	Clotted Blood 10.0 ml (Gold top).	Specimen taken prior to next dose.
	Vancomycin Assay	Clotted Blood 10.0 ml (Gold top).	
	Vanillylmandelic Acid (VMA, MHMA, HMMA)	Urine 24h with 50 ml 2.4 M hydrochloric acid preservative.	Contact laboratory for dietary and drug restrictions.
	Varicella Zoster - Serology (Herpes zoster, chicken pox, shingles)	Clotted Blood 10 ml (Gold top).	
	Varicella Zoster Virus Detection (Herpes zoster, chicken pox, shingles)	Swab, scrapings, fluid from lesion in 2 ml viral transport medium.	
	Variconazole	Blood 5ml in K-EDTA	
	Vasoactive Intestinal Peptide (VIP)	Fasting Blood 10 ml in K-EDTA (Mauve top) with 1 ml trasyolol, specially prepared by Lab.	Contact laboratory for special collection. Collect on ice-water, separate and freeze plasma. Endocrine tumour.
	Vigabatrin (Sabril)	Clotted Blood 10 ml (Red top) with no gel.	
	Viral Haemorrhagic Fever Serology (VHF)	Immediate consultation with on-call Microbiologist required.	
	Viral Studies - Serology		Please request individual tests.

ALL TEST LISTING

Viral Studies Virus Detection		Please specify individual test requirements.
Virus Isolation /Culture	Various in viral transport medium.	Please specify individual test requirements.
Viscosity (Plasma viscosity, whole blood viscosity.)	Blood 10 ml in K-EDTA (Mauve top) or clotted blood 10 ml (Gold top).	State clinical history
Vitamin A	Clotted Blood 10 ml (Gold top).	Keep out of light in paper bag or aluminium foil.
Vitamin B12	Clotted Blood 10 ml (Gold top).	Fasting specimen preferred.
Vitamin B2 (Riboflavin)	Blood 10 ml in ACD tube.	Contact laboratory for further details. Vitamin B2 deficiency
Vitamin B6 (Red Cell transaminase, Red Cell AST) (Pyridoxine)	Blood 4 ml in Li Heparin (Green top), without gel or K-EDTA (Mauve top).	
Vitamin C (Ascorbic Acid)	Clotted Blood 10 ml (Gold top) on ice.	Transport on ICE
Vitamin D (1,25 Dihydroxy calciferol, calcitriol)	Clotted Blood 10 ml (Gold top).	
Vitamin D (25 hydroxy vitamin D, 25 OHD)	Clotted Blood 10 ml (Gold top).	
Vitamin E	Blood 10 ml in Li Heparin (Green top).	Protect specimens from light. Wrap in foil
Vitamin K	Blood 4 ml in Na-citrate (Blue top)	INR test will be performed. Contact laboratory for further information.
von Hippel-Lindau Full Gene Screen (VHL gene test)	10 ml blood in EDTA (preferred) or Lithium Heparin. Tumour in dry sterile container if fresh or as paraffin blocks	Informed consent is essential. Type number and location of tumours. Family history.
von Hippel-Lindau known mutation Screen (VHL Presymptomatic test, VHL confirmatory test)	10 ml blood in EDTA (preferred) or Lithium Heparin.	Informed consent is essential. Location of familial mutation
von Willebrand Gene Analysis	Blood 10 ml in EDTA.	Store sample at room temperature. Gene test for type 2N and some other mutations. Contact laboratory for details.
Von Willebrands Factor Assay, Ristocetin Cofactor. (VWF, RiCof, VWF-F8 binding activity.)	Blood 3 x 4 ml in Na Citrate (Blue top).	VWF-Ag also done if RiCof <0.8 u/ml. State personal or family history of bleeding.

ALL TEST LISTING

W			
	Water Deprivation Test	Blood 10 ml clotted & urine at start of test. Test is monitored by hourly urines for osmo.	Requested for diagnosis of diabetes insipidus. Discuss with Chemical Pathologist.
	West Nile Virus PCR (Arbovirus, Flavivirus)	Clotted Blood 10 ml (Gold top), CSF.	Date of onset of symptoms.
	West Nile Virus Serology (Arbovirus, Flavivirus)	Clotted Blood 10 ml (Gold top).	Travel history to endemic area and date of onset of symptoms.
	Whipple's Disease PCR	Blood 10 ml in K-EDTA (Mauve top), CSF, tissue.	
	White Cell Enzymes (Leucocyte Lysosomal Enzyme)	Blood 10 ml in K-EDTA (Mauve top).	Do not refrigerate - keep at room temperature.

ALL TEST LISTING

X			
	Xylene	Spot Urine	

ALL TEST LISTING

Y			
	Yellow Fever PCR (Arbovirus, Flavivirus, YFV)	Clotted Blood 10 ml (Gold top), CSF.	Date of onset of symptoms.
	Yellow Fever Serology (Arbovirus, Flavivirus, YFV)	Clotted blood 10 ml (Gold top).	Travel history to endemic area and date of onset of symptoms. Yellow fever infection
	Yersinia Serology (Y. enterocolitica, pseudotuberculosis)	Clotted Blood 10 ml (Gold top).	Date of onset of symptoms.

ALL TEST LISTING

Z			
	Zinc - Red Cell	Blood 4 ml in K-EDTA (Mauve top).	
	Zinc - Serum	Clotted Blood 10 ml (Gold top).	
	Zinc - Urine	Urine 24 h in metal free container with 50 ml 2.4 M nitric acid preservative.	
	Zinc Protoporphyrin	Blood 4 ml K-EDTA (Mauve top).	