

<i>Code</i>	<i>Test Description</i>	<i>Specimen</i>	<i>TAT</i>
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## **Single Tests – Alphabetical Index**

### **A**

17OH	<b>17-Hydroxycorticosteroids (17-OHCS)</b>	24hr Urine (10ml HCL)	10
17AO	<b>17-Hydroxyprogesterone (17-OHP)</b>	5 ml Plain	10
17KS	<b>17-Ketosteroids (17-KS)</b>	24hr Urine (10ml HCL)	10
5HI	<b>5-Hydroxyindoleacetic Acid (5-HIAA)</b>	24hr Urine (10ml HCL)	10
ACH	<b>Acetylcholine Receptor Ab (AchR Ab)</b>	5 ml Plain	7-14
<b>Acid Fast Bacilli (AFB) Culture &amp; Sensitivity (see Culture)</b>			
AFBS	<b>Acid Fast Bacilli (AFB) ZN Stain</b>	Sputum/ FMU/ CSF/ Swab	2
ACPP	<b>Acid Phosphatase, Prostatic</b>	5 ml Plain	5
ACP	<b>Acid Phosphatase, Total</b>	5 ml Plain	5
APTT	<b>Activated Partial Thrombin Time (APTT)</b>	2 ml Citrate	2
D208	<b>Additive Drugs (208 types) Qualitative Screening in Food/Medication (by HPLC)</b>	Call	14
ACTH	<b>Adrenocorticotrophic Hormone (ACTH)</b>	3 ml EDTA (Plasma)	7
ALT	<b>Alanine Aminotransferase (ALT/SGPT)</b>	5 ml Plain	1
ALB	<b>Albumin</b>	5 ml Plain	1
FALD	<b>Aldosterone, Urine</b>	24hr Urine (10ml HCL)	7
ALD	<b>Aldosterone, Serum</b>	5 ml Plain	7
ALKP	<b>Alkaline Phosphatase (ALP)</b>	5 ml Plain	1
ALPB	<b>Alkaline Phosphatase - Bone (BAP)</b>	5 ml Plain	5-7
ALPE	<b>Alkaline Phosphatase Isoenzymes Electrophoresis - Liver, Bone, Intestine, Fast Liver</b>	5 ml Plain	7-14
<b>Allergy Tests (refer to Allergy Section in Profile Tests)</b>			
A1A	<b>Alpha-1 Antitrypsin</b>	5 ml Plain	7
A1AS	<b>Alpha-1 Antitrypsin, Stool</b>	Fresh Stool	15
AFP	<b>Alpha-Foetoprotein (AFP)</b>	5 ml Plain	2
AMMO	<b>Ammonia</b>	3 ml EDTA (Plasma)	7

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AMOE	<b>Amoebic Antibody (<i>E histolytica</i>)</b>	5 ml Plain	7
AMY	<b>Amylase</b>	5 ml Plain	2
UAM	<b>Amylase (Diastase), Urine</b>	20 ml Urine	7
ASD	<b>Androstenedione (ASD)</b>	5 ml Plain	15
	<b>Antibody Screen (see Coombs' Test, Indirect)</b>		
ABMZ	<b>Anti-Basement Membrane Zone Abs (Anti-BMZ)</b>	5 ml Pain	15
ACAG	<b>Anti-Cardiolipin IgG (ACA IgG)</b> (a type of Antiphospholipid Ab)	5 ml Plain	7-10
ACAM	<b>Anti-Cardiolipin IgM (ACA IgM)</b> (a type of Antiphospholipid Ab)	5 ml Plain	7-10
ACCP	<b>Anti-Cyclic Citrullinated Peptide Ab (Anti-CCP)</b>	5 ml Plain	5
DNA	<b>Anti-double stranded DNA (Anti-dsDNA)</b>	5 ml Plain	7
ENAT	<b>Anti-Extractable Nuclear Antigen (Anti-ENA), Total (Qualitative)</b>	5 ml Plain	7
ENA	<b>Anti-ENA Identification (6 types):</b> RNP Ab, Sm Ab, SS-A Ab, SS-B Ab, Scl-70 Ab & Jo-1 Ab	5 ml Plain	7
	<b>Single test in Anti-ENA</b>		
RNP	<b>~ Anti-RNP Ab</b>	5 ml Plain	7
SM	<b>~ Anti-Smith Ab</b>	5 ml Plain	7
SSA	<b>~ Anti-SSA (Ro)</b>	5 ml Plain	7
SSB	<b>~ Anti-SSB (La)</b>	5 ml Plain	7
SCL70	<b>~ Anti-Scl 70</b>	5 ml Plain	7
JO1	<b>~ Anti-JO-1</b>	5 ml Plain	7
GPCA	<b>Anti-Gastric Parietal Cell Abs (APCA)</b>	5 ml Plain	7-14
GBM	<b>Anti-Glomerular Basement Membrane Abs (Anti-GBM)</b>	5 ml Plain	7-14
AINS	<b>Anti-Insulin Antibody</b>	5 ml Plain	10
INTAB	<b>Anti-Intercellular Substance Abs</b>	5 ml Plain	7-14
ALKM	<b>Anti-Liver Kidney Microsomal 1 Ab (Anti-LKM1)</b>	5 ml Plain	7-10

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	<b>Anti-Microsomal Ab (AMA) (see Anti-TPO)</b>		
AMIA	<b>Anti-Mitochondrial Ab</b>	5 ml Plain	7-10
AMH	<b>Anti-Mullerian Hormone (AMH)</b>	5 ml Plain	5-7
ANCA	<b>Anti-Neutrophil Cytoplasmic Ab (ANCA) w pattern (by IFA)</b>	5 ml Plain	7-10
ANA	<b>Anti-Nuclear Abs (ANA) w pattern (by IFA)</b>	5 ml Plain	5
ANF	<b>Anti-Nuclear Factor (ANF) (by Latex Agglutination)</b>	5 ml Plain	2
APA	<b>Anti-Phospholipid Ab, Total</b> (also consider Anti-Cardiolipin)	5ml plain	7-10
APLA	<b>Anti-Platelet Antibody</b>	5 ml Plain	7-10
ASKA	<b>Anti-Skeletal Muscle Ab</b>	5 ml Plain	7-10
ASMA	<b>Anti-Smooth Muscle Ab (ASMA)</b>	5 ml Plain	7-10
ASA	<b>Anti-Sperm Ab, Circulating</b>	5 ml Plain	7-10
ASOTQ	<b>Anti-Streptolysin O Titre (ASOT/ ASLO), Quantitative</b>	5 ml Plain	5
ASOT	<b>Anti-Streptolysin O Titre (ASOT), Spot test</b>	5 ml Plain	2
AT3	<b>Anti-Thrombin III</b>	2x 2 ml Citrate	7-14
ATAB	<b>Anti-Thyroglobulin Ab (ATA)</b>	5 ml Plain	7
ATPO	<b>Anti-Thyroid Peroxidase (Anti-TPO)</b>	5 ml Plain	7
APOA	<b>Apolipoprotein A1 (Apo-A1)</b>	5 ml Plain	3
APOB	<b>Apolipoprotein B (Apo-B)</b>	5 ml Plain	3
APOP	<b>Apo- A1, Apo-B &amp; Ratio</b>	5 ml Plain	3
APOEG	<b>Apolipoprotein E genotyping (by PCR)</b>	5 ml Plain	7-14
AST	<b>Aspartate Aminotransferase (AST/SGOT)</b>	5 ml Plain	1
	<b>Aspirate Culture &amp; Sensitivity (see Culture)</b>		

**B**

BJP	<b>Bence-Jones Protein</b> (also consider Immunofixation & Urine Ep )	20 ml FMU	5
B2GG	<b>Beta-2 Glycoprotein 1 IgG</b>	5 ml Plain	7

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B2GM	<b>Beta-2 Glycoprotein 1 IgM</b>	5 ml Plain	14
B2M	<b>Beta-2 Microglobulin, Serum</b>	5 ml Plain	5
UB2M	<b>Beta-2-Microglobulin, Urine</b>	20 ml FMU	5
HCG	<b>Beta-Human Chorionic Gonadotropin, Total (<math>\beta</math>-hCG)</b>	5 ml Plain	2
HCGF	<b><math>\beta</math>-hCG, Free</b>	5 ml Plain	7
BID	<b>Bilirubin, Direct/Conjugated</b>	5 ml Plain	1
BIT	<b>Bilirubin, Total</b>	5 ml Plain	1
	<b>Blood Count (see Full Blood Count)</b>		
	<b>Blood Culture &amp; Sensitivity (see Culture)</b>		
	<b>Blood Film Comment (see Full Blood Picture)</b>		
ABOR	<b>Blood Grouping &amp; Rhesus (ABO &amp; Rh)</b>	3 ml EDTA	1
BNP	<b>B-type Natriuretic Peptide (NT pro-BNP)</b>	3 ml EDTA (Plasma)	5
<b>C</b>			
125	<b>CA 125 (Ovarian cancer)</b>	5 ml Plain	2
153	<b>CA 15-3 (Breast cancer)</b>	5 ml Plain	2
199	<b>CA 19-9 (Pancreatic, gastric cancer)</b>	5 ml Plain	2
724	<b>CA 72-4 (TAG-72) (Gastrointestinal, Breast cancer)</b>	5 ml Plain	5
CAC	<b>Calcitonin</b>	5 ml Plain	10
CA	<b>Calcium</b>	5 ml Plain	1
CAF	<b>Calcium, Free (Ionized)</b>	5 ml Plain	7-14
UCA	<b>Calcium, Urine</b>	24 hr Urine	5
CAD	<b>Candida albicans DNA (by PCR)</b>	Genital Swab / FVU	7
CEA	<b>Carcino-Embryonic Antigen (CEA)</b>	5 ml Plain	2
	<b>Carcinoid Syndrome (see 5-HIAA)</b>		
CARNI	<b>Carnitine, Free &amp; Total</b>	5 ml Plain	14-20
CAT	<b>Catecholamine Fractions – Epinephrine, Norepinephrine &amp; Dopamine</b>	24 hr Urine (10 ml HCL/Refrigerate)	7-10

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CD48	<b>CD4 / CD8 Count</b>	3 ml EDTA <b>Call Lab. Monday / Tuesday morning (KL only)</b>	5
CER	<b>Ceruloplasmin</b>	5 ml Plain	5
CHIG+CHIM	<b>Chikungunya IgG &amp; IgM</b>	5 ml Plain	7
CLPM	<b>Chlamydia pneumoniae IgM</b> <b>Chlamydia Ag (see Chlamydia DNA PCR)</b>	5 ml Plain	7-10
CLA	<b>Chlamydia trachomatis IgA</b>	5 ml Plain	5
CLG	<b>Chlamydia trachomatis IgG</b>	5 ml Plain	5
CLM	<b>Chlamydia trachomatis IgM</b>	5 ml Plain	5
CLMD	<b>Chlamydia trachomatis DNA (by PCR)</b> <b>Chloride (Cl) (see Electrolytes)</b> <b>Chloride, Urine (see Electrolytes)</b>	Genital Swab / FVU	7
CHO	<b>Cholesterol, Total</b>	5 ml Plain	1
CHL1	<b>Cholinesterase, RBC</b>	3 ml EDTA/Heparin	14
CHL	<b>Cholinesterase, Serum</b>	5 ml Plain	5
CGA	<b>Chromogranin A (CgA)</b>	5 ml Plain	7-10
CHAA	<b>Chromosome Analysis (Karyotype), Amniotic Fluid</b> <b>Clostridium difficile Culture &amp; Toxins (see Culture)</b>	5 ml Amniotic Fluid (room temperature)	4-5 wks
CO2	<b>CO2 Total / Bicarbonate</b>	5 ml Plain	5
CF9	<b>Coagulation Factor IX</b>	2x 2 ml Citrate	14
CF8	<b>Coagulation Factor VIII</b>	2x 2 ml Citrate	14
COLA	<b>Cold Agglutinin</b>	5 ml Plain <i>(keep warm before serum separation)</i>	5
C3	<b>Complement 3 (C3)</b>	5 ml Plain	5
C4	<b>Complement 4 (C4)</b>	5 ml Plain	5
COOD	<b>Coombs' test, Direct</b>	3 ml EDTA	5
COOI	<b>Coombs' test, Indirect</b>	5 ml Plain	5
CPP	<b>Coproporphyrin, Urine</b>	20 ml Urine <i>(protect from light &amp; refrigerated)</i>	7

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UFC	<b>Cortisol, Free, Urine</b>	24 hr Urine	10
CORT	<b>Cortisol, Serum</b>	5 ml Plain	5
CPE	<b>C-Peptide</b>	5 ml Plain	5-7
CRP	<b>C-Reactive Protein (CRP) (Qualitative, by rapid latex)</b>	5 ml Plain	1
HCRP	<b>C-Reactive Protein, high-sensitive (hsCRP) (Quantitative)</b>	5 ml Plain	2
CK	<b>Creatine Kinase (CK)</b>	5 ml Plain	1
CKE	<b>Creatine Kinase (CK) Isoenzyme Electrophoresis (CK-Total, MM, MB, BB)</b>	5 ml Plain	7
CKMB	<b>Creatine Kinase -Myocardial (CK-MB)</b>	5 ml Plain	1
CRE	<b>Creatinine</b>	5 ml Plain	1
CCT	<b>Creatinine Clearance Test &amp; Rate</b>	5 ml Plain & 24hr Urine	2
UCRE	<b>Creatinine, Urine</b>	24hr Urine	2
CYFG	<b>Cryofibrinogen (Qualitative)</b>	2x 2 ml Citrate, fasting	5-10
		<i>(keep warm 37°C before plasma separation)</i>	
CYGLO	<b>Cryoglobulins (Qualitative)</b>	5 ml Plain, fasting	5-10
		<i>(keep warm 37°C before serum separation)</i>	
CRYA	<b>Cryptococcus Antigen</b>	1 ml CSF / 5 ml Plain	3-5
	<b>CSF Culture &amp; Sensitivity (see Culture)</b>		
CFEM	<b>CSF FEME - Cell count, Gram's stain, India ink stain, glucose &amp; protein</b>	Min 2 ml CSF	2
CTX	<b>C-Telopeptide Crosslinks (CTx) (beta-CrossLaps)</b>	3 ml EDTA Plasma (Fasting Morning)	5-7
<b>Culture &amp; Sensitivity</b>			
CAFB	<b>~ AFB Culture only w Microscopy (see also Mycobacterium DNA PCR)</b>	Sputum/ FMU/ CSF/ Swab	6-8 Wks
CAFI	- reflex <i>Mycobacterium</i> identification & drug sensitivity (if culture positive)	from positive culture	
CASP	<b>~ Aspirate w Microscopy</b>	Aspirate in sterile-capped syringe/tube/ bottle (specify source of specimen)	3-5

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CASC	~ <b>Aspirate w Microscopy &amp; Chemistry</b> (Protein, Glu & LDH)	As above	3-5
CASJ	~ <b>Aspirate w Microscopy &amp; Chemistry</b> (Protein, Glu & RF)	As above	3-5
CBAE	~ <b>Blood, Aerobic (w/o supply of Broth)</b>	Blood/ Pus/ Fluid in blood culture broth (aerobic)	3-5
CBAN	~ <b>Blood, Anaerobic (w/o supply of Broth)</b>	Blood/ Pus/ Fluid in blood culture broth (anaerobic)	3-5
CBC1	- Supply of Blood Culture Broth- Aerobic		
CBC2	- Supply of Blood Culture Broth- Anaerobic		
CCSF	~ <b>CSF w Microscopy</b>	CSF in sterile-capped syringe/tube	4-7
CCSC	~ <b>CSF w Microscopy &amp; Chemistry</b> (Pro, Glu)	As above	4-7
CSTO	~ <b>Stool w Microscopy for <i>Salmonella</i>, <i>Shigella</i> &amp; <i>Vibrio cholera</i> only</b>	Fresh Stool/Rectal Swab	3-5
CSSH	~ <b>Stool for <i>Salmonella</i> &amp; <i>Shigella</i> only</b>	Fresh Stool/Rectal Swab	3-5
CSAU	~ <b>Stool for <i>Staphylococcus aureus</i> only</b>	Fresh Stool/Rectal Swab	3-5
CSVC	~ <b>Stool for <i>Vibrio cholera</i> only</b>	Fresh Stool/Rectal Swab	3-5
CDCT	~ <b>Stool for <i>Clostridium difficile</i> Culture &amp; Toxins</b>	Fresh Stool	3-5
CFUN	~ <b>Fungus/ Yeast w Microscopy</b>	Relevant specimen, Skin Scrapping	3-5
CSPU	~ <b>Sputum w Microscopy (non- Mycobacterium only)</b>	Sputum (waste mouth, avoid saliva)	3-5
CSWA	~ <b>Swab w Microscopy</b>	Swab in transport medium (specify source of specimen)	3-5
CURI	~ <b>Urine w Microscopy &amp; Chemistry</b>	20 ml MSU	3-5
211	<b>CYFRA 21-1 (Cytokeratin 19)</b> (non-small cell lung cancer)	5 ml Plain	5
CYSC	<b>Cystatin C</b>	5 ml Plain	5
CMVD	<b><i>Cytomegalovirus</i> (CMV) DNA Detection</b>	Swab/ FVU /CSF/ Serum	7
CMVL	<b><i>Cytomegalovirus</i> (CMV) DNA Viral Load</b>	5 ml Plain	

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CMVG	<b>Cytomegalovirus (CMV) IgG</b>	5 ml Plain	3-5
CMVM	<b>Cytomegalovirus (CMV) IgM</b>	5 ml Plain	3-5

**D**

DDI	<b>D-Dimer (Quantitative) (see also FDP)</b>	2 ml Citrate (1:9)	5
DHEA	<b>Dehydroepiandrosterone (DHEA)</b>	5 ml Plain	7-14
DHEAS	<b>Dehydroepiandrosterone Sulfate(DHEA-S)</b>	5 ml Plain	7
DENGM	<b>Dengue Serology (IgG &amp; IgM), Rapid Test</b>	5 ml Plain	1
DENAG	<b>Dengue NS1 Antigen (intended for 1st -5th days)</b>	5ml plain	1
DPD	<b>Deoxypyridinoline-D (DPD) &amp; Rate, Urine</b>	20 ml FMU (Freeze)	7
DHT	<b>Dihydrotestosterone (DHT)</b>	5 ml Plain	7-10
	<b>Dilantin (see Phenytoin)</b>		
DNAP	<b>DNA Profiling for Paternity</b> (for non-legal proceeding only)	3 ml EDTA <b>Call Lab</b>	14
	Specimen each from child, mother & alleged father. Use Specific Form		
DNA1	~ Add each additional child		
	<b>Down's Syndrome Screen (see Fetal Abnormalities Risk Screen)</b>		

**E**

ELT	<b>Electrolytes (Na, K &amp; Cl), Serum</b>	5 ml Plain	1
UELT	<b>Electrolytes (Na, K &amp; Cl), Urine</b>	24 hr Urine	1
ELAL	<b>Endotoxin, LAL Assay</b>	Water/ Dialysate <i>(in Special Tube, Refrigerate)</i>	7
	<b>Entamoeba histolytica Ab (see Ambiotic Ab)</b>		
ECP	<b>Eosinophil Cationic Protein (ECP)</b>	5 ml Plain	5
EBVD	<b>Epstein-Barr virus (EBV) DNA Detection</b>	Serum/ Swab/ Fluid	7
EBA	<b>EBV EA+NA1 IgA (for NPC)</b>	5 ml Pain	2
EBEG	<b>EBV Early Ag (EA) IgG (for NPC/IM)</b>	5 ml Plain	7
EBNA	<b>EBV Nuclear Ag (NA1) IgA (for NPC)</b>	5 ml Plain	7



<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
EBVA	<b>EBV Viral Capsid Ag (VCA) IgA</b> (for NPC)	5 ml Plain	5
EBVG	<b>EBV Viral Capsid Ag (VCA) IgG</b> (for IM)	5 ml Plain	5
EBVM	<b>EBV Viral Capsid Ag (VCA) IgM</b> (for IM)	5 ml Plain	7
ESR	<b>Erythrocyte Sedimentation Rate (ESR)</b>	3 ml EDTA	1
EPO	<b>Erythropoietin (EPO)</b>	5 ml Plain	7
E2	<b>Estradiol (E2) (Ovarian Function)</b>	5 ml Plain	3
E3U	<b>Estriol, Free (uE3) (Pregnancy Monitoring)</b>	5 ml Plain	7
ESTRO	<b>Estrone (E1)</b>	5 ml Plain	7-10
<b>F</b>			
FOB	<b>Faecal Occult Blood</b> ( <i>human-Hb specific</i> )	Fresh Stool	2
	<b>Faeces Culture &amp; Sensitivity</b> (see Culture)		
FFEM	<b>Faeces FEME-</b> for <i>Amoeba/Ova/Cyst</i>	Fresh Stool	2
FER	<b>Ferritin</b>	5 ml Plain	5
FHB	<b>Fetal Haemoglobin (APT Test)</b>	Stool/ Vomitus	5
	<b>Fetal Abnormalities Risk Screening</b> (use <i>Specific Request Form</i> )		
FE1	<b>~ 1<sup>st</sup> Trimester Test with Nuchal Translucency</b> ( <i>AFP, PAPP-A</i> )	5 ml Plain	7-10
FET	<b>~ 2<sup>nd</sup> Trimester Double Test</b> ( <i>AFP, Free <math>\beta</math>-hCG</i> )	5 ml Plain	5-7
FE4	<b>~ 2<sup>nd</sup> Trimester Quadruple Test</b> ( <i>AFP, <math>\beta</math>-hCG, uE3, Inhibin-A</i> )	5 ml Plain	7-10
FDP	<b>Fibrin Degradation Products (FDP)</b> (also consider D-Dimer)	2x 2 ml Citrate	5
FIB	<b>Fibrinogen</b>	2x 2 ml Citrate	5
FOLR	<b>Folic Acid (Folate), RBC</b>	3 ml EDTA ( <i>wrap, avoid light</i> )	5
FOL	<b>Folic Acid (Folate), Serum</b>	5 ml Plain	5
FSH	<b>Follicle Stimulating Hormone (FSH)</b>	5 ml Plain	2
FXSG	<b>Fragile X Syndrome (FXS) Genetic Assay</b>	3 ml EDTA	
FBC	<b>Full Blood Count-</b> <i>Hb, RBC indices, PLT, TWDC</i>	3 ml EDTA	1

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FBP	<b>Full Blood Picture with ESR-</b> <i>FBC, Blood Film</i> <i>Comment &amp; ESR</i>	3 ml EDTA	1
FBPC	<b>Full Blood Picture with CRP-</b> <i>FBC, Blood Film</i> <i>Comment &amp; CRP</i>	3 ml EDTA & 5 ml Plain	1
FBPH	<b>Full Blood Picture with Blood Film</b> <b>Comment by Haematologist</b>	3 ml EDTA	3
	<b>Fungus Culture &amp; Sensitivity (see Culture)</b>		
FUNG	<b>Fungus Microscopic</b>	Skin Scrapping	1

**G**

G6PD	<b>G6PD Screening</b>	Blotted blood on paper	2
G6PQ	<b>G6PD, Quantitative</b>	3 ml EDTA	3-5
GGT	<b>gamma-Glutamyl Transferase (GGT)</b>	5 ml Plain	1
GAS	<b>Gastrin</b>	5 ml Plain (fasting)	7
GLU	<b>Glucose, Random / Fasting</b>	2 ml Fluoride	1
GTT2	<b>Glucose Tolerance Test (2 Points)</b> (w/o Glucose supply)	2x 2 ml Fluoride- Fasting & 2 hr	1
GTT3	<b>Glucose Tolerance Test (3 Points)</b> (w/o Glucose supply)	3x 2 ml Fluoride- Fasting, 1 & 2 hr	1
75GL	~ 75g Glucose Load supply		
GLU2	<b>Glucose, Fasting &amp; 2 hr Postprandial (2HPP)</b>	2x 2 ml Fluoride- Fasting & 2 hr	1
GAD	<b>Glutamic Acid Decarboxylase AutoAbs (GAD AutoAbs)</b>	5 ml Plain	15-20
	<b>Glycosylated Haemoglobin (see HbA1c)</b>		
GRAM	<b>Gram's Stain Examination</b>	Swab/ Smear/ Urine	1
HGH	<b>Growth Hormone (hGH)</b>	5 ml Plain	7

*(note time of collection & fasting/stimulation/suppression)*

**H****Haemoglobin (Hb) (See Full Blood Count)**

A1C	<b>Haemoglobin A1c (HbA1c)</b>	3 ml EDTA	1
HBE	<b>Haemoglobin Electrophoresis + FBC</b>	3 ml EDTA	7

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HAPG	<b>Haptoglobin</b>	5 ml Plain	5
HDEP	<b>HDL, LDL, VLDL Electrophoresis</b>	5 ml Plain	5
HDLC	<b>HDL-Cholesterol (Direct Method)</b>	5 ml Plain	1
HPYG	<b><i>Helicobacter pylori</i> IgG (semi-quantitative)</b>	5 ml Plain	2
UBT3	<b><i>H. pylori</i> <sup>13</sup>C-Urea Breath Test (4 points)</b>	Breath in bags	3-5
UB301	~ Supply of <sup>13</sup> C UBT Kit (1 Kit)		
UB305	~ Supply of <sup>13</sup> C UBT Kit (5 Kits)		
UBT4	<b><i>H. pylori</i> <sup>14</sup>C-Urea Breath Test</b>	Breath in card	3
UB401	~ Supply of <sup>14</sup> C UBT Kit (1 Kit)		
UB405	~ Supply of <sup>14</sup> C UBT Kit (5 Kits)		
HAV	<b>Hepatitis A IgG (Anti-HAV)</b>	5 ml Plain	1
AVM	<b>Hepatitis A IgM (HAV IgM)</b>	5 ml Plain	5
BCG	<b>Hepatitis B core Abs (Anti-HBc)</b>	5 ml Plain	5
BCM	<b>Hepatitis B core IgM (HBc IgM)</b>	5 ml Plain	5
EAB	<b>Hepatitis B envelope Ab (Anti-HBe)</b>	5 ml Plain	3
EAG	<b>Hepatitis B envelope Ag (Hbe-Ag)</b>	5 ml Plain	3
SAB	<b>Hepatitis B surface Ab (Anti-HBs)</b>	5 ml Plain	1
SAG	<b>Hepatitis B surface Ag (HBs-Ag)</b>	5 ml Plain	1
SAGQ	<b>Hepatitis B surface Ag, Quantitative</b>	5 ml Plain	5
HBVPC	<b>HBV Pre-core (PreC) Mutant</b>	5 ml Plain	7-14
HBVPS	<b>HBV Pre-surface (PreS) Mutant</b>	5 ml Plain	7-14
HBVY	<b>HBV Drug Resistant Analysis</b>	5 ml Plain	7-14
HBVG	<b>HBV-DNA Genotyping</b>	5 ml Plain	7-14
HBVD	<b>HBV-DNA Viral load (qPCR)</b>	5 ml Plain	7-10
HCV	<b>Hepatitis C Ab (Anti-HCV)</b>	5 ml Plain	2
HCVG	<b>HCV-RNA Genotyping</b>	5 ml Plain	7-14
HCVR	<b>HCV-RNA Viral load (qPCR)</b>	5 ml Plain	7-14
H1G	<b>Herpes Simplex Virus (HSV) Type 1 IgG</b>	5 ml Plain	5
H1M	<b>HSV Type 1 IgM</b>	5 ml Plain	5

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
H2G	<b>HSV Type 2 IgG</b>	5 ml Plain	5
H2M	<b>HSV Type 2 IgM</b>	5 ml Plain	5
HSVD	<b>HSV DNA type 1 &amp; 2 DNA</b>	Swab/ Urine/ CSF/ Serum	7-14
HCY	<b>Homocysteine, total (tHcy)</b>	3 ml Plain	3
<i>(fasting, refrigerated, separate serum/plasma a.s.a.p.)</i>			
HVA	<b>Homovanillic Acid (HVA) (see also Ratio)</b>	24 hr Urine (10 ml HCl)	5-7
HVAR	<b>Homovanillic Acid/ Creatinine Ratio</b>	20 ml Urine	5-7
HIV	<b>Human Immunodeficiency Virus (HIV) 1&amp;2 Ab+Ag Screen (Anti-HIV 1&amp;2 + p24 Ag)</b>	5 ml Plain	2
WEST	<b>HIV 1 &amp; 2 Conformation (Western Blot) - identify both type 1 &amp; 2</b>	5 ml Plain	7
HIVL	<b>HIV-RNA Viral load (RT-PCR)</b>	2x 3 ml EDTA (Plasma)	7
HLABC	<b>Human Leukocyte Ag (HLA) -A, B, C Typing</b>	3 ml EDTA	14-18
HLADR	<b>Human Leukocyte Ag (HLA) -DR Typing</b>	3 ml EDTA	14-18
B27	<b>Human Leukocyte Ag (HLA) -B27 Genes</b>	3 ml EDTA	7
B1502	<b>Human Leukocyte Ag (HLA) -B1502 Genes</b>	3 ml EDTA	14-18
B5801	<b>Human Leukocyte Ag (HLA) -B5801 Genes</b>	3 ml EDTA	14-18
HPVD	<b>Human Papilloma Virus (HPV) DNA Genotyping (detect &amp; report all major high &amp; low risk types)</b>	Cervical Swab/ FVU	6
CXC	<b>HPV DNA Genotyping &amp; Liquid Based PAP test</b>	in Special Kit	6
HDGA	<b>Huntington's Disease Genetic Assay</b>	3 ml EDTA	7-14
<b>I</b>			
IFE	<b>Immunofixation Electrophoresis (IFE), Serum</b>	5 ml Plain	14
IFEU	<b>Immunofixation Electrophoresis (IFE), Urine/CSF</b>	50 ml FMU or 24hr Urine/10 ml CSF	14

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
IGA	<b>Immunoglobulin A (IgA)</b>	5 ml Plain	5
IGD	<b>Immunoglobulin D (IgD)</b>	5 ml Plain	7
IGE	<b>Immunoglobulin E (IgE), Total</b>	5 ml Plain	5
IGEC	<b>Immunoglobulin E (IgE), Low Range (for Newborn)</b>	3 ml EDTA Cord Blood (Plasma)	5
	<b>IgE for specific allergen (see Allergy Section in Profile)</b>		
IGG	<b>Immunoglobulin G (IgG)</b>	5 ml Plain	5
IGGS	<b>Immunoglobulin G Subclass 1 - 4</b>	5 ml Plain	7-14
	<b>IgG for delayed food allergy (see Allergy Section in Profile)</b>		
IGM	<b>Immunoglobulin M (IgM)</b>	5 ml Plain	5
INFA	<b>Influenza Virus type A Antibody</b>	5 ml Plain	7
INFB	<b>Influenza Virus type B Antibody</b>	5 ml Plain	7
INFAR	<b>Influenza Virus type A Antigen - Rapid</b>	Nasopharyngeal Swab	3
INS	<b>Insulin</b>	5 ml Plain	5
IGF1	<b>Insulin-like Growth Factor-1 (IGF-1) (Somatomedin-C)</b>	5 ml Plain (fasting, freeze serum)	7
IGF1F	<b>Insulin-like Growth Factor-1 (IGF-1), Free</b>	5 ml Plain	7-14
SI	<b>Iron, Serum</b>	5 ml Plain	1

**J****Joint Fluid (see Synovial)****K**

UKET	<b>Ketones (Acetons) (Semi-quantitative)</b>	20 ml Urine	2
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**L**

LCA	<b>Lactate (Lactic Acid), plasma</b>	3 ml Fluoride, fasting, avoid tourniquet	5
LDH	<b>Lactate Dehydrogenase (LDH)</b>	5 ml Plain	1
LDHE	<b>LDH Isoenzyme Electrophoresis</b>	5 ml Plain	5

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
LDL1	<b>LDL-Cholesterol (Direct Method)</b>	5 ml Plain	1
LEG	<b>Legionella Antibodies</b>	5 ml Plain	7-10
LEGU	<b>Legionella Urinary Antigen</b>	20 ml Urine	5
LPSG + LPSM	<b>Leptospira IgG &amp; IgM</b>	5 ml Plain	7-14
LIPA	<b>Lipase</b>	5 ml Plain	5
LPA	<b>Lipoprotein (a), Lp(a)</b>	5 ml Plain	5
LEP	<b>Lipoprotein Electrophoresis</b>	5 ml Plain	5
	<b>Liver-Kidney Microsomal 1 Ab (see Anti-LKM1)</b>		
LUP	<b>Lupus Anticoagulant (by Mixing Study)</b>	2x 2 ml Citrate	7-14
		<i>(Stop heparin therapy one day before test)</i>	
LH	<b>Luteinising Hormone (LH)</b>	5 ml Plain	3
<b>M</b>			
MG1	<b>Magnesium, Serum</b>	5 ml Plain	5
MALA	<b>Malaria Parasite</b>	3 ml EDTA	2
MEAG	<b>Measles IgG</b>	5 ml Plain	7
MEAM	<b>Measles IgM</b>	5 ml Plain	7
MTHFR	<b>Methylenetetrahydrofolate reductase (MTHFR) Genetic Assay</b>	3 ml EDTA	7-14
UMAL	<b>Microalbumin, Creatinine &amp; Ratio</b>	20 ml Urine (prefer FMU)	2
MFP	<b>Microfilaria Parasite</b>	3 ml EDTA	2
MON	<b>Monospot (Infectious Mononucleosis) (see also EBV)</b>	5 ml Plain	1
MUMG	<b>Mumps IgG</b>	5 ml Plain	7
MUMM	<b>Mumps IgM</b>	5 ml Plain	7
	<b>Mycobacterium tuberculosis Ab (see PCR test)</b>		
MTD	<b>Mycobacterium tuberculosis (TB) DNA (by PCR)</b>	Sputum/ CSF	7-10
TBIGRA	<b>TB- Interferon Gamma Release Assay (TB-IGRA) (QuantiFERON)</b>	5 ml Heparin Blood, reach lab within 2hrs <b>Call Lab</b>	7-10

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
MGEND	<b><i>Mycoplasma genitalium</i> DNA Detection</b>	Swab	5-7
MHOMD	<b><i>Mycoplasma hominis</i> DNA Detection</b>	Swab	5-7
MPG	<b><i>Mycoplasma pneumoniae</i> IgG</b>	5 ml Plain	5
MPM	<b><i>Mycoplasma pneumoniae</i> IgM</b>	5 ml Plain	7
MYG	<b>Myoglobin, serum</b>	5 ml Plain	5
MYGU	<b>Myoglobin, urine</b>	Urine	5
<b>N</b>			
GOND	<b><i>Neisseria gonorrhoeae</i> DNA (by PCR)</b>	50 ml FMU/ Swab	5
NSE	<b>Neuron-Specific Enolase (NSE)</b> (small cell lung, neuroblastoma, kidney ca)	5 ml Plain	5
<b>O</b>			
OSS	<b>Osmolality, Serum</b>	5 ml Plain	5
OSU	<b>Osmolality, Urine</b>	20 ml Urine	5
OTC	<b>Osteocalcin</b>	3 ml EDTA (Plasma) fasting, morning	7
<b>P</b>			
PAP	<b>PAP Smear</b>	Fixed smear	4
PALP	<b>PAP Test, Liquid based preparation</b>	Cervical broom in transport vial	4
PTHI	<b>Parathyroid Hormone, Intact (PTH-I)</b>	3 ml Plain/EDTA	5-7
		<i>fasting morning (separate serum/plasma a.s.a.p., refrigerated)</i>	
PB19D	<b>Parvovirus B19 DNA (by PCR)</b>	5 ml Plain Blood / CSF	7
	<b>Pemphigoid Ab (see Anti-Basement Membrane Ab)</b>		
	<b>Pemphigus Ab (see Anti-Intercellular Substance Ab)</b>		
PHOS	<b>Phosphorus, Serum</b>	5 ml Plain	1
UP	<b>Phosphorus, Urine</b>	24 hr Urine	5
	<b>Platelet Antibodies (see Anti-Platelets Ab)</b>		

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
PLA	<b>Platelet Count (see Full Blood Count)</b>	3 ml EDTA	1
	<b>Porphyrin (see Coproporphyrin)</b>		
	<b>Potassium (K) (see Electrolytes)</b>		
	<b>Potassium, Urine (see Electrolytes)</b>		
PALB	<b>Prealbumin</b>	5 ml Plain	5
PCNM	<b>Procainamide</b>	5 ml Plain	7
PRG	<b>Progesterone (P4)</b>	5 ml Plain	5
PRL	<b>Prolactin</b>	5 ml Plain	5
PACND	<b>Propionibacterium acnes DNA (by PCR)</b>	Swab	7-14
PGE2	<b>Prostaglandin E2 (PGE2)</b>	24hr Urine	7-14
	<i>stop anti-inflammatory medication for 2 days (Refrigerate)</i>		
PCT	<b>Procalcitonin (PCT)</b>	5 ml Plain	7
PSA	<b>Prostatic Specific Antigen (PSA)</b>	5 ml Plain	2
PSAF	<b>Prostate Specific Ag, Free</b>	5 ml Plain	5
PROC	<b>Protein C</b>	2x 2 ml Citrate	7-10
PROS	<b>Protein S</b>	2x 2 ml Citrate	7-10
PEP	<b>Protein Electrophoresis, Serum</b>	5 ml Plain	5
UPEP	<b>Protein Electrophoresis, Urine</b>	20 ml FMU	5
PRO	<b>Protein, Serum</b>	5 ml Plain	1
UPRO	<b>Protein, Urine</b>	24 hr Urine	3
PTP	<b>Prothrombin Time (PT/INR)</b>	2 ml Citrate	2

## R

REN	<b>Renin Activity</b>	3 ml EDTA (Plasma)	7
	<i>(Refrigerate a.s.a.p.) Specify patient's posture, upright or recumbent. Normal sodium intake &amp; stop medication for 2 days</i>		
RENC	<b>Renin Concentration, Total</b>	3 ml EDTA (Plasma)	7
	<i>(Refrigerate a.s.a.p.) Specify patient's posture, upright or recumbent. Normal sodium intake &amp; stop medication for 2 days</i>		



<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
RSV	<b>Respiratory Syncytial Virus (RSV) Ag</b>	Nasopharyngeal Aspirates	7
RC	<b>Reticulocyte Count</b>	3 ml EDTA	2
RHP	<b>Rhesus Ag Phenotyping- C, c, D, E,e</b>	3 ml EDTA	7
RF	<b>Rheumatoid Factor (Quantitative)</b>	5 ml Plain	2
ROTA	<b>Rotavirus Antigen</b>	Fresh Stool	2
RG	<b>Rubella IgG</b>	5 ml Plain	2
RM	<b>Rubella IgM</b>	5 ml Plain	5
<b>S</b>			
SEMA	<b>Seminal Analysis</b>	<b>Call lab/</b> patient to lab	1
	<i>Pre-appointment, specimen must reach lab within 1 hr (State time of collection)</i>		
SHBG	<b>Sex Hormone Binding Globulin (SHBG)</b>	5 ml Plain	7
	<b>Sodium (see Electrolytes)</b>		
	<b>Sodium, Urine (see Electrolytes)</b>		
	<b>Somatomedin C (see IGF-I)</b>		
SPV	<b>Spermatozoa for Post-vasectomy</b>	<b>Call lab/</b> patient to lab	1
	<i>specimen must reach lab in 2 hr</i>		
SMAG	<b>Spinal Muscular Atrophy (SMA) Genetic Assay</b>	3 ml EDTA	7-10
	<b>Sputum Culture &amp; Sensitivity (see Culture)</b>		
SCC	<b>Squamous Cell Carcinoma Ag (SCC Ag/ TA-4)</b>	5 ml Plain	5
STOA	<b>Stone (Calculi) Analysis</b>	Kidney/Biliary Stone	14-21
STBD	<b>Streptococcus Group B DNA Detection</b>	Swab/ 3ml Blood	5-7
	<b>Swab Culture &amp; Sensitivity (see Culture)</b>		
SYFEM	<b>Synovial Fluid FEME - Cell count, Gram's stain, protein &amp; crystals</b>	Synovial Aspirate	2
	<b>Syphilis (see Treponema)</b>		

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
<b>T</b>			
<b>TB C&amp;S (See Culture, also <i>Mycobacterium</i> DNA PCR)</b>			
FTES	<b>Testosterone, Free</b>	5 ml Plain	7
TES	<b>Testosterone, Total</b>	5 ml Plain	5
THLD1	<b>Thalassaemia (Alpha &amp; Beta) DNA Analysis (adult)</b>	2x 3 ml EDTA	14-21
THLD2	<b>Thalassaemia (Alpha &amp; Beta) DNA Analysis (prenatal/neonate)</b>	3 ml Cord Blood in EDTA tube	14-21
<i>or 10 ml Amniotic Fluid (avoid contamination from mother's blood)</i>			
THLDA	<b>Thalassaemia Alpha only DNA Analysis</b>		14-21
THLDB	<b>Thalassaemia Beta only DNA Analysis</b>		14-21
TT	<b>Thrombin Time (TT)</b>	2 ml Citrate (1:9)	5
THG	<b>Thyroglobulin</b>	5 ml Plain	7
<b>Thyroglobulin Antibody (see Anti-Thyroglobulin)</b>			
<b>Thyroid Anti-Microsomal Ab (see Anti-TPO)</b>			
TBG	<b>Thyroid Binding Globulin (TBG)</b>	5 ml Plain	10
<b>Thyroid Peroxidase Ab (see Anti-TPO)</b>			
TSH	<b>Thyroid Stimulating Hormone (TSH)</b>	5 ml Plain	1
TSHR	<b>TSH Receptor Antibody</b>	5 ml Plain	7
FT4	<b>Thyroxine, Free (FT4)</b>	5 ml Plain	1
TPA	<b>Tissue Polypeptide Ag (TPA)</b> (non-specific tumour marker)	5 ml Plain	7-10
<b>Total Iron Binding Capacity (TIBC) (see Transferrin &amp; TIBC)</b>			
TOXG	<b>Toxoplasma IgG</b>	5 ml Plain	5
TOXM	<b>Toxoplasma IgM</b>	5 ml Plain	5
<b>TPHA (see Treponema Pallidum-Ab test)</b>			
TRATI	<b>Transferrin &amp; TIBC</b>	5 ml Plain	5
TPD	<b><i>Treponema pallidum</i> DNA (by PCR)</b>	Swab / CSF	7
TPAB	<b><i>Treponema pallidum</i> Ab (TP-Ab)</b>	5 ml Plain	3
FTAM	<b><i>Treponema</i>, FTA-Abs IgM</b>	5 ml Plain	10

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
FTAG	<b>Treponema, FTA-Abs total (IgG)</b>	5 ml Plain	10
RPR	<b>VDRL, Non-treponemal Test (TRUST/RPR Method)</b>	5 ml Plain	1
TVD	<b>Trichomonas vaginalis DNA (by PCR)</b>	Genital Swab / FVU	7
TG	<b>Triglycerides</b>	5 ml Plain	1
FT3	<b>Triiodothyronine, Free (FT3)</b>	5 ml Plain	2
TRI	<b>Troponin I (cTnI), Rapid Qualitative</b>	5 ml Plain	1
	<b>Typhoid Ab (see Widal Test)</b>		
	<b>Typhus Ab (see Weil-Felix Test)</b>		
<b>U</b>			
UREA	<b>Urea</b>	5 ml Plain	1
	<b>Urea Breath Test (see <i>H Pylori</i>)</b>		
UUREA	<b>Urea, Urine</b>	24 hr Urine	2
URPD	<b>Ureaplasma spp. DNA Detection</b>	Swab	5-7
UA	<b>Uric Acid</b>	5 ml Plain	1
UUA	<b>Uric Acid, Urine</b>	24 hr Urine	2
	<b>Urine Culture &amp; Sensitivity (see Culture)</b>		
UFEM	<b>Urine FEME / Urinalysis - 10 chemical parameters &amp; microscopic examination</b>	20 ml MSU	1
UPT	<b>Urine Pregnancy Test (Urine <math>\beta</math>-hCG)</b>	20 ml Urine	1
<b>V</b>			
VMA	<b>Vanillylmandelic Acid (VMA)</b>	24 hr Urine (10 ml HCl/ Refrigerated)	7
VMAR	<b>Vanillylmandelic Acid (VMA)/Creatinine Ratio</b>	20 ml Urine (random)	7
VZG	<b>Varicella-zoster IgG (Chicken Pox)</b>	5 ml Plain	5
VZM	<b>Varicella-zoster IgM (Chicken Pox)</b>	5 ml Plain	7
VZD	<b>Varicella-zoster Virus (VZV) DNA (by PCR)</b>	Swab / Urine / CSF / Serum	7

<b>Code</b>	<b>Test Description</b>	<b>Specimen</b>	<b>TAT</b>
	<b>VDRL (see <i>Treponema</i>)</b>		
VA	<b>Vitamin A (Retinol)</b>	5 ml Plain, fasting (wrap, avoid light)	14-21
VB12	<b>Vitamin B12 (Cobalamin)</b>	5 ml Plain	7-10
VD1	<b>Vitamin D (1,25-OH<sub>2</sub>) (Calcitriol) - potent metabolic from kidney</b>	5 ml Plain	7-14
VD2	<b>Vitamin D (25-OH D) (Calcidiol) - metabolic from liver by reference HPLC method</b>	5 ml Plain	7-14
VDT	<b>Vitamin D Total (25-OH D<sub>2</sub> &amp; D<sub>3</sub>) (Calciferol)</b>	5 ml Plain	5-7
VE	<b>Vitamin E (Tocopherol)</b>	5 ml Plain, fasting (wrap, avoid light)	7-14
<b>W</b>			
WEIL	<b>Weil-Felix Tests (<i>Rickettsia</i> Ab /Typhus)</b>	5 ml Plain	1
WET	<b>Wet Mount Examination (for <i>Trichomonas</i>)</b>	Vaginal Swab in medium	1
TWDC	<b>White Differential Count, Total &amp; 5 parts (TWDC) (consider FBC)</b>	3 ml EDTA	1
WWF	<b>Widal &amp; Weil-Felix Tests (WWF)</b>	5 ml Plain	1
WT	<b>Widal Tests (<i>Salmonella</i> Ab/Typhoid)</b>	5 ml Plain	1