

Test Name	Alternative Name	Specimen	Special Requirements
? CSF	β-transferrin, tau transferrin	Nasal or ear secretions	
?Parasite	Parasitosis	Parasite in a pottle	
1,25 dihydroxy cholecalciferol	1,25 diOH Vit D, 1,25 dihydroxy Vit D, Calcitriol	Yellow	Protect from light with tinfoil.
1,25 Di-OH Vit D	1,25 Dihydroxy Vitamin D, 1,25 diOH cholecalciferol, Calcitriol	Yellow	Protect from light with tinfoil.
11 Deoxycortisol	Metraprone test	Yellow	Take dedicated tube. State whether pre or post metyparone sample.
17 hydroxysteroids	17 ketosteroids, Urine cortisol	Urine - random or 24hr plain collection	
17 β estradiol - sensitive		Yellow	Preferred sample collected between 0800-1000.
17-Ketosteroid - refer to Cortisol			
17OH Progesterone		Yellow	Note pre and post dose on CHL sticker if this test is done with a synacthen test.
17-OH Progesterone/P4	17α hydroxy progesterone	Yellow	Note pre and post dose on CHL sticker if this test is done with a synacthen test.
17α hydroxy progesterone	17-OH progesterone/P4	Yellow	Note pre and post dose on CHL sticker if this test is done with a synacthen test.
17β Oestradiol	Estradiol, Estrogen, E2, Oestradiol	Yellow	
17β Oestradiol - Sensitive	Estradiol, Estrogen, E2, Oestradiol	Yellow	NOTE: Sensitive assay no longer available at CHL. OES done at CSCL instead.
25-hydroxy cholecalciferol	Vitamin D, Cholecalciferol, 25-OH vitamin D	Yellow	
25-hydroxy vitamin D	25-OH vitamin D, cholecalciferol	Yellow	
25-OH cholecalciferol	25-hydroxy vitamin D	Yellow	
5 hydroxy tryptamine - see 5HT			
5HIAA	HIAA Quantitation, 5-hydroxy indole acetic acid, serotonin metabolites, Hydroxyindole acetic acid (5HIAA), Urine 5HIAA	24hr Urine bottle (acid or plain) or random collection (>5mL)	Medication history must be noted on request form. Note start time and finish times. Dietary restrictions.
5HT	5 hydroxy tryptamine, Serotonin	Lavender	Minimum 3mL. Take dedicated tube.
5-hydroxy indole acetic acid - see 5HIAA			
6 TGN	6 Th Nucleotides, 6 Thioguanine Nucleotides, Azathioprine metabolites, Thioguanine Nucleotides	Lavender	Take dedicated tube. 5mL whole blood. If 6TGN and 6MMP are both requested, one EDTA sample is sufficient.
6 -Thioguanine nucleotides	6TGN	Lavender	Take dedicated tube. 5mL whole blood. If 6TGN and 6MMP are both requested, one EDTA sample is sufficient.
6-mercaptopurine / 6-MMP	6-TGN, 6MMP, azothioprine, 6-thioguanine nucleotides	Lavender	Take dedicated tube. 5mL whole blood. If 6TGN and 6MMP are both requested, one EDTA sample is sufficient
6MMP	6 Mercaptopurine	Lavender	Take dedicated tube. 5mL whole blood. If 6TGN and 6MMP are both requested, one EDTA sample is sufficient
6TGN	6 thioguanine nucleotide	Lavender	Take dedicated tube. 5mL whole blood. If 6TGN and 6MMP are both requested, one EDTA sample is sufficient
7-dehydrocholesterol	7-DHT, 7-dehydroxyCholesterol	Lavender	Take dedicated tube.
7-DHT - see 7-dehydrocholesterol			
A S C Antibodies	ASCA, Anti-saccharomyces cerevisiae antibodies	Yellow	
A.S.Gonadotrophin	Alpha subunit gonadotrophin	Lavender on ice	On ice to lab.
A-1-Antitrypsin / phenotype	AAT, A1AT, α-1AT phenotype	Yellow	
A-1-Antitrypsin faecal		Faeces	Specimen must be received within 24hrs of collection. Keep cold.
A-1-Antitrypsin Gene - see A1AT/phenotype	Genotype inferred by phenotype		
AAFB - Refer to TB			
ABO	Blood Group and Rh	Pink	Preferably take dedicated Pink tube. Label with full name and DOB.
ABPA	Aspergillus serology, Aspergillus precipitans, Allergic bronchopulmonary aspergillosis	Yellow	Onset date of illness desirable.
ACA	Anti-cardiolipin antibody, anti-phospholipid antibody, Cardiolipin, CRD, APA	Yellow	
ACE	Angiotensin Converting Enzyme, SACE	Yellow	Collect at centrifuging sites only. Needs to be separated within 4 hours of collection.
Acetaminophen	Paracetamol	Yellow Urgent	URGENT. For overdose, collect 4hrs post ingestion (include time of ingestion).
Acetylcholine Receptor Antibodies	Myasthenia gravis antibodies	Yellow	
Acetylcholinesterase	Cholinesterase (red cell)	Lavender	Take dedicated tube.
Acid Phosphatase - discontinued			
ACTH	Adrenocorticotrophic hormone, Corticotrophin		Do not collect - send patient to local hospital laboratory.
Activated partial thromboplastin time	APTT	Blue	Fill tube to line.
Activated Protein C Resistance	APC Resistance	Blue	Fill tube to line.
Active B12	Holotranscobalamin	Yellow	
Adalimumab Level (and Adalimumab Antibodies)	Humira and Humira Antibodies	Red	Samples should be taken at drug trough, within 24 hours prior to a dose.
ADAMTS13	ADAMTS-13 Activity Assay	Blue	Fill tube to line. Send to CHL within 2 hours of collection or separate and freeze plasma.
Adenovirus PCR - Faeces	Viral faecal tests	Faeces	Adenovirus testing is part of a Gastro PCR screen.
Adenovirus PCR - Other		Viral swabs, Urine (NOT faeces)	
Adenovirus serology			Test no longer available.

Test Name	Alternative Name	Specimen	Special Requirements
ADH - refer to Arginine Vasopressin			
Adrenal antibodies		Yellow	
Adrenaline - Blood	Catecholamines	N/A	Do not collect - send patient to local hospital laboratory.
Adrenaline - Urine	Catecholamines - urine	Urine -24hr Urine bottle (acid or plain) Child: random Urine or 6hr collection	Medication history must be noted on request form. If acid bottles being used, warn patient. Note start time and finish time and dates.
Adrenocorticotrophic hormone	ACTH	N/A	Do not collect - send patient to local hospital laboratory.
AER	Albumin excretion rate	Urine - 12hr overnight collection 8pm-8am plain bottles	
AFB - Refer to TB			
AFP	Alpha-fetoprotein, αFP	Yellow	Indicate if sample is for tumour markers, neural tube defect or maternal serum.
AGA - no longer available	Anti-gliadin antibodies		
Al	Aluminium	Dark Blue	Out of town: send patient to hospital laboratory.
Alanine	Amino Acids	Yellow on ice	Deliver to the laboratory within 2hrs on ice - brief clinical history required.
Alanine Transaminase	SGPT, alanine amino transferase, GPT ALT	Yellow	
Albumin - Blood		Yellow	
Albumin Creatinine Ratio	ACR, MALB, UALB, Microalbumin / Creatinine spot urine, Microalbumin – timed, Timed microalbumin, Timed urine albumin	Urine - random or 24hr collection (plain)	
Alcohol - Urine	Urine Ethanol	Urine - random collection on ice	
Alcohol - Blood	Blood alcohol, C2H6O, Blood ethanol, Ethanol blood	Grey	Take a dedicated Grey tube. DO NOT swab site with an alcohol pad.
Aldolase		Yellow	Separate samples as soon as possible.
Aldosterone		Lavender - Take dedicated tube	Collect and deliver to lab within 3 hours at room temperature.
Aldosterone/Renin Ratio		Lavender - Take dedicated tube	Collect and deliver to lab within 3 hours at room temperature.
Alkaline Phosphatase	Alk Phos	Yellow	
Alkaline Phosphatase isoenzyme	ALP isoenzymes	Yellow	
Allopurinol Clearance			Not available - serum creatinine (CRE) done instead.
Alpha Fetoprotein	AFP	Yellow	Indicate if sample is for tumour markers, neural tube defect or maternal serum.
Alpha Thalassaemia Screen	Alpha globin gene deletion, α-thal	Lavender	Take dedicated tube.
Alpha-1-antitrypsin	A-1-Antitrypsin, A1A	Yellow	
ALT	SGPT, alanine amino transferase, GPT	Yellow	
Aluminium - Blood	Al	Dark Blue	Out of town: send patient to hospital laboratory.
Aluminium - Urine		Urine - random or 24hr (acid washed) bottles as requested	Occupational Monitoring - collect random urine at end of shift. 24hr collections - collect into special acid washed bottles. Contact Biochemistry.
AMH	Anti Mullerian Hormone	Yellow	Send to the laboratory the same day, centrifuge if available
Amino acids - Blood	Glycine, Tyrosine, Alanine, Phenylalanine	Yellow on ice	Deliver to the laboratory within 2hrs on ice - brief clinical history required.
Amino acids - Urine	Organic acids - urine	Urine - random collection on ice (preferred)	Deliver to lab on ice (preferred). For quantitative Cysteine analysis, sample must be acidified 24hrs urine collection.
Aminophylline	Theophylline, Neulin, Theo-dur	Yellow	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Aminoterminal pro-peptide	P3NP, Type 3 procollagen	Yellow	Collect at centrifuging sites ONLY (before 4pm). Centrifuge as soon as clotted.
Amiodarone	Aratec / Corderone , DesmethyI-amiodarone	Red	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Amitriptyline	Laroxyl, Tryptanol	Red	Collect 18hrs post dose, note dose, time of dose and time of collection.
Ammonia	NH3	N/A	Do not collect - send patient to local hospital laboratory.
Amoeba Serology	Entamoeba histolytica	Yellow	Onset date of illness desirable.
Amoxapine - NOT AVAILABLE	Asendin		
Amphetamines	Metamphetamines	Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Amylase - Blood	Pancreatic amylase	Yellow	
Amylase - Urine	Diatase	24hr Urine bottle (plain) or random Urine collection acceptable	
ANA	ANA/ANF, ANF, Anti Nuclear Antibodies, Anti Nuclear Factor, Sjorgen's syndrome screen, SLE screen	Yellow	



CSCL SPECIMEN COLLECTION GUIDE

3

Test Name	Alternative Name	Specimen	Special Requirements
Anafranil	Clomipramine, Clopress	Red	Collect pre-dose (trough level just prior to patient taking next dose). Note time and date of last dose on form.
ANCA	MPO, anti-neutrophil cytoplasmic antibodies, cANCA, pANCA, PR3, Vasculitis screen	Yellow	
Androgen profile		Yellow	Includes: FSH, LH, prolactin, testosterone, SHBG, FAI.
Androstenedione		Yellow	Separate, minimum 0.2mL.
ANF	ANA/ANF, ANF, Anti Nuclear Antibodies, Anti Nuclear Factor, Sjorgen's syndrome screen, SLE screen	Yellow	
Angelman Syndrome		2 x Lavender	Do not refrigerate.
Angiostrongylus Serology	Parasite Serology	Yellow	
Angiotensin Converting Enzyme	SACE, ACE	Yellow	Collect at centrifuging sites only. Needs to be separated within 4 hours of collection.
Anion Gap			Do not collect - send patient to local hospital laboratory.
Ankylosing Spondylitis	HLA B27	Lavender	Do not refrigerate.
ANP	Atrial Natriuretic Peptide		Do not collect - send patient to local hospital laboratory.
Antarctic Screen	Rh Kell blood group	Pink	
Antenatal - First	First antenatal screen	Pink and Yellow and Lavender x2	
Antenatal - Second		Pink and Lavender	Label specimen with full name and DOB
Anti - Cyclic Citrullinated Antibody	Anti CCP serology, CCP IgG Serology	Yellow	
Anti Cardiolipin antibodies	Anti-phospholipid antibodies, ACA, cardiolipin antibodies.	Yellow	
Anti D	Anti-D	Pink	Preferably take dedicated Pink tube. Label with full name and DOB.
Anti Diuretic Hormone	ADH, AVP, Vasopressin	2x Lavender	Take dedicated tubes.
Anti Glomerular Basement Ab	Anti-GBM	Yellow	If marked as URGENT, deliver to lab ASAP
Anti mitochondrial antibodies	Mitochondrial Abs, AMA	Yellow	
Anti Mullerian Hormone	AMH	Yellow	Send to the laboratory the same day, centrifuge if available
Anti Phospholipid Ab	Phospholipid Ab, anti-cardiolipin antibodies, ACA	Yellow	
Anti Pneumococcal	Pneumococcal antibodies, pneumovax 23 IgG and IgM	Yellow	
Anti Ro/LA	SSA, anti-SSA	Yellow	
Anti Schistosome antibodies	Bilharzia Abs/Serology, Schistosomal Abs/Serology, Bilharziasis Abs/Serology, Schistosomal Serology, Schistosomal Abs / serology, Schistosomosis Abs / serology	Yellow	NOTE: Takes at least 3 months to become positive post exposure.
Anti-10a (Factor Xa, anti-Xa)		Blue	Deliver to the lab within 4 hrs. Out of town: send patient to hospital laboratory. Fill tube to line.
Antibody Screen / Antenatal Antibody Screen	Antenatal red cell antibodies	Pink	Label specimens with full name and DOB.
Antibody Titre (known antibody)	Anti-D, Anti-C, Anti-Cw, Anti-E, Anti-c, Anti-Jka, Anti-Fya, Anti-f(ce), Anti-Kell, Anti-S	Pink	Label specimens with full name and DOB.
Anti-D titre	Anti-D	Pink	Label specimens with full name and DOB.
Anti-DNAse B	Anti streptococcal antibodies, DNAse B antibodies	Yellow	
Anti-dsDNA	DNA, dsDNA Ab	Yellow	
Anti-endomysial antibodies	EMA, endomysial antibodies	Yellow	
Anti-GAD	Anti-glutamic acid decarboxylase, GAD antibodies	Yellow	
Anti-GBM	Anti-glomerular basement membrane antibodies	Yellow	If marked as URGENT, deliver to lab ASAP.
Anti-gliadin antibodies - no longer available	Gliadin Abs, AGA		
Anti-glutamic acid decarboxylase	anti-GAD	Yellow	
Anti-HBc	HCBcAb, core antibody, Hep B core antibody	Yellow	
Anti-Hbe	HBeAb, Hepatitis B e antibody	Yellow	
Anti-HBs	HBsAb, hepatitis B surface antibody, hepatitis B immunity	Yellow	
Anti-HBsAg	Hepatitis B surface antigen, hepatitis B infection	Yellow	
Anti-HCV	Hepatitis C, HCV antibody	Yellow	
Anti-HDV	Hepatitis D, HDV	Yellow	
Anti-I/i	Cold agglutinins		Do not collect - send patient to local hospital laboratory.

Test Name	Alternative Name	Specimen	Special Requirements
Anti-Intrinsic Factor Ab	IFA, Intrinsic Factor Antibodies	Yellow	
Anti-Jo1 antibodies		Yellow	Part of ENA screen.
Anti-microsomal antibodies	anti-TPO, thyroid antibodies	Yellow	
Anti-myeloperoxidase Ab	MPO	Yellow	
Anti-Neutrophil cytoplasmic antibodies	ANCA, cANCA, pANCA, MPO, PR3, vasculitis screen	Yellow	
Anti-nuclear Factor	ANA/ANF, ANF, Anti Nuclear Antibodies, Anti Nuclear Factor, Sjorgen's syndrome screen, SLE screen	Yellow	
Anti-ovarian antibodies	Ovarian antibodies	Yellow	
Anti-parietal cell antibodies		Yellow	
Anti-platelet antibodies	Platelet antibody, HPA1a antibodies		Refer patient to local hospital laboratory
Anti-reticulin antibodies	Reticulin antibodies	Yellow	Patient must be on a gluten containing diet for at least 6 weeks prior to testing.
Anti-saccharomyces cerevisiae antibodies	ASCA IgA and IgG	Yellow	
Anti-smooth muscle antibody	anti-SM, ASMA, smooth muscle ab	Yellow	
Anti-SSA	SSA, Ro/La abs, Sjogrens antibodies	Yellow	
Anti-streptolysin-O titre	Streptococcal Abs, ASO titre	Yellow	
Antithrombin III	Antithrombin, Thrombin III	Blue Fill to line	Plasma from patients on Warfarin suitable. Samples from patients on unfractionated heparin unsuitable. Deliver to the laboratory within 3hrs.
Anti-thyroid antibodies	anti- TPO, anti-TG, anti-microsomal and anti-thyroglobulin antibodies	Yellow	
Anti-trypsin	Alpha-1 antitrypsin, A1AT/α1AT	Yellow	
Anti-Xa (anti-10A)	Factor-10a, Factor Xa	Blue	Deliver to the lab within 4 hrs. Out of town: send patient to hospital laboratory. Fill tube to line.
APC Resistance	APCR, activated Protein C resistance	Blue	Fill tube to line.
APL - refer to ACA or Anticardiolipin			
Apo E	Apolipoprotein E, Apo E genotype, Apo E phenotype	Lavender	
Apolipoproteins (A, A1, B)	Apo A1, B, A	Lavender	
APRI Score	APRI Index, AST to Platelet ratio index	Yellow and Lavender	
APTT	Activated partial thromboplastin time	Blue	Fill tube to line.
Aquaporin Antibodies - see NMO Antibodies			
ARATAC - refer to Amiodarone			
Arbovirus Screen / PCR	Zika, Dengue, Chikungunya PCR	Yellow (also collect a Urine only if requested by referrer)	Travel history MUST be provided: countries visited together with dates of duration of stay, description of symptoms, date of symptom onset.
Arginine Vasopressin	ADH, Vasopressin, anti-diuretic hormone, AVP	2x Lavender	Patient should not be stressed.
Arsenic - urine	As	Random Urine - 20mL	Minimum 2mL required, collect at end of working day/week for industrial exposure.
Arthritis Screen	Rheumatoid screen	Yellow	
ASCA IgG and IgA	anti-saccharomyces cerevisiae antibodies	Yellow	
Ascorbic acid	Vitamin C	Green - on ice	Only offered at NORTHFIELD due to proximity to lab. Place sample immediately on ice. Send in a red bag. Must reach the lab within 1 hour of collection.
Asendin (Amoxapine) - NOT AVAILABLE			
ASMA - see anti-smooth muscle abs			
ASOT	anti-streptolysin Abs, streptococcal antibodies	Yellow	
Aspergillus Culture		Various microbiology	
Aspergillus IgE	RAST - Aspergillus	Yellow	
Aspergillus PCR			Restricted test - not for routine use. Contact Microbiologist.
Aspergillus precipitins	ABPA	Yellow	Onset date of illness desirable.
Aspirate Culture		Aspirate	Arrive from referrers in syringes, pottles and blood tubes.
Aspirate Cytology		Aspirate	
Asprin	Salicylic acid, salicylate	Yellow	
AST	SGOT, GOT, ASAT Aspartate Transaminase	Yellow	
Atrial Natriuretic Peptide			Refer patient to local hospital laboratory.
Atypical lymphocytes		Lavender	Part of CBC.
Atypical pneumonia screen / serology		Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
Aurorix	Moclobemide	Red	
Autoantibodies/Autoimmune antibodies	Autoimmune screen	Yellow	
Autoclave control	Spore test, sterility check	Autoclave control vial	
Autosomal dominant hypercalciuric hypocalcaemia gene test	AP2S1, CASR, GNA11	Lavender	Dedicated tube. Referral form must outline clinical details and indication for testing.
Avian Precipitin	Bird Fancier's lung, avian antibodies	Yellow	
AVP - see Arginine vasopressin			
Azathioprine Level	6TGN, 6MMP, 6-mercaptopurine	Lavender	Take dedicated tube. 5mL whole blood. If 6TGN and 6MMP are both requested, one EDTA sample is sufficient.
B. burgdoferii serology	Borrelia serology, Lyme disease	Yellow	Onset date of illness desirable.
B. pertussis serology	Whooping cough, pertussis	Yellow	For clinical use ONLY - NOT FOR IMMUNITY TESTING. Date of onset of illness desirable.
B.hominis	Blasto, Blastocystis hominis	Faeces	
B.pertussis culture - no longer available. Refer to B. pertussis PCR			
B.pertussis PCR/DNA	Whooping cough, Bordetella	Dry Blue-top Pernalal swab or Orange-top FLOQ swab (dry - NO VTM) or Red-top Universal Transport Media (UTM)	Onset of illness desirable. Swabs must be collected at GP rooms/medical centres only. Not available at CSCL collection centres. DO NOT TAKE NASOPHARYNGEAL SWABS ON INFANTS UNDER 12 MONTHS OLD.
B12	B12, cobalamin	Yellow	
B27	HLA-B27	Lavender	
Bacterial Culture - see Culture			
Barbiturates		Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Bartonella henselae Serology	Cat Scratch IgG, Cat Scratch IgM, Rochalimaea	Yellow	
Basement membrane Abs (epithelial) - see Skin Autoantibodies	DO NOT CONFUSE WITH GLOMERULAR BASEMENT MEMBRANE ANTIBODIES		
BCR/ABL gene	Quantitative PCR for BCR ABL gene, FISH for ph negative CML Replaces NAP, LAP	3 x 4mL Lavender	
Bence Jones Protein	Bence Jones Protein, urine electrophoresis, BJ Protein, BJP, Urine free light chains	Urine - random collection	
Benzodiazepines - urine	Drug screen	Urine - random collection	40mL preferred.
Benzylpiperazine	BZP	Urine - random collection	Minimum 20mL.
Beta-hydroxybutyrate - see ketones	Ketones		
Beta -2 microglobulin	β-2 microglobulin	Yellow	
Beta -2 Transferrin - see Tau transferrin	?CSF		
Beta-2 glycoprotein	B2 glycoprotein, B2GP	Yellow	Prefer 1.0 mL serum (absolute minimum 0.5 mL)
Beta carotene - see β-Carotene			
Bicarbonate	HCO3		Refer patient to local hospital laboratory.
Bile acids, bile salts	Bile salts	Yellow	Refrigerate if held overnight.
Bile pigments (urine) - See Urine Bilirubin / bile pigments			
Bilharzia Screen (Blood)	Bilharziasis Screen, Schistosomal Screen, Schistosomes screen	Yellow	Note: takes at least 3 months post exposure to become positive.
Bilharzia Screen (Faeces)	Schistosomes, Schistosomiasis	Faeces	
Bilharzia Screen (Urine)	Schistosomes, Schistosomiasis	Urine - random collection	Urine collection instructions: Specimens should be collected between 12noon and 3:00pm. The entire void (between 12noon and 3:00pm) is recommended however the terminal (end) portion of the stream is the most important (the "final squeeze").
Bilirubin - Blood	Total bilirubin	Yellow	Part of Liver function tests.
Bilirubin - NEONATAL	Up to 4 weeks old - SBR	Yellow - heel prick (plain microcollect) Out of town: Send to local hospital lab	Protect from light, treat paediatric specimens as URGENT. Out of town: send patient to hospital laboratory.
Bilirubin - Urine - Refer to Urine Bilirubin			
Biological testing - Refer to Endoscopes			

Test Name	Alternative Name	Specimen	Special Requirements
Bird Fancier Lung	Avian precipitans/Ab's	Yellow	
BJP	Bence Jones Protein, urine electrophoresis, BJ Protein, BJP, Urine free light chains	Urine - random collection	
BK Virus	Polyoma Virus	Lavender	
Bleeding Time - see PFA	Bleeding time not available - refer to Platelet Function Assay / PFA		
Blood - Urine - Refer to Urine Blood			
Blood Count	CBC, FBC, blood screen	Lavender	
Blood culture		Blood Culture Bottles	Contact Patient Services for Collection Protocols.
Blood film	Morphology of the Cells, Film	Lavender	Must be registered with a CBC.
Blood gases			Refer patient to hospital laboratory.
Blood Group	Blood Group and Rh, ABO, Rhesus	Pink	Preferably take dedicated Pink tube. Label specimen with full name and DOB.
Blood Group Phenotype/Genotype	Blood group genotype	Pink	Preferably take dedicated Pink tube. Label specimen with full name and DOB.
Blood Karyotype	Blood Leucocyte Karyotype, Chromosomes, Karyotype	Green (no gel)	Take dedicated tube Mon-Thu only. Do not take before a long weekend. Minimum for a child 1-2mL. Ensure tube has not expired.
Blood pigments	Haemoglobin pigments	Yellow	Send to lab within 2 hrs.
BMP	CHCH Hospital Profile	Yellow and Grey	Includes: ELE, CRN, CL, CA, PO4, ALB, BIL, ALP, GGT, ALT, AST, TP, CRP, GLU.
BNP	Brain natriuretic peptide, N-BNP, Pro BNP	Lavender on ice - Take dedicated tube	Place the sample on ice and send to the laboratory in a red bag for delivery the same day. Room temperature samples must reach the laboratory within 3 hours.
Bone Alkaline Phosphatase	Ostase	Yellow	The BALP test is available by prior arrangement only. See CHL web page for details.
Bone Donor			Refer patient to local hospital laboratory.
Bone Marrow Donors			Refer patient to local hospital laboratory.
Bordetella culture -No longer available. Refer to B.pertussis PCR			
Bordetella PCR/DNA - Refer to B.pertussis PCR			
Bordetella pertussis antibodies/serology	B Pertussis Ab, Pertussis serology	Yellow	For clinical use ONLY - NOT FOR IMMUNITY TESTING. Date of onset of illness desirable.
Borrelia serology	Lyme disease serology, B. Burgdorferi serology, tick-borne fever screen	Yellow	Onset date of illness desirable.
Brain natriuretic peptide - refer to BNP			
BRCA 1 and 2	Breast cancer gene mutation analysis	2 x Lavender (10 mL EDTA)	MUST BE REFERRED BY GENETIC SERVICES
Breast Milk Donation Bloods			NOT FUNDED BY CDHB. Midwife should refer patient to Rotary Community Breast Milk Bank (funded through donations) ph. 03 375 6281 Otherwise patient must pay for testing.
Bromide		Yellow	Collect at end of working shift.
Bronchoscope - Refer to Endoscopes			
Brucella screen	Brucella serology, Brucella abortus, Brucellosis	Yellow	
Buprenorphine	Temgesic	Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Butyrylcholinesterase phenotype		Lavender	
BZP	Benzylpiperazine	Urine - random collection	Minimum 20mL.
C. difficile	Clostridium difficile, Pseudomembranous colitis	Faeces	Refrigerate until delivered to the laboratory.
C1 esterase inhibitor	C1 Esterase Inhibitor, C1 Inhibitor level, C1 INH, C1 Inhibitor	Yellow	
C1Q Binding assay	Immune Complexes	Yellow	
C2 H5 OH	Ethanol, alcohol, ETOH	Grey	Full Grey top required. DO NOT use alcohol swab on skin.
C3 and C4	Complement C3, Complement C4	Yellow	
CA 125 (ovarian)		Yellow	
CA 153 (breast)		Yellow	
CA 199 (Gastro)	C199	Yellow	
CADASIL	NOTCH3	Lavender	Dedicated tube. Referral form must outline clinical details and indication for testing.
Cadmium - Blood	Cd - blood	Dark Blue	State if smoker or non-smoker.

Test Name	Alternative Name	Specimen	Special Requirements
Cadmium - Urine	Cd - urine	Urine - random collection	
Caeruloplasmin	Ceruloplasmin	Yellow	
Calcitonin			Refer patient to local hospital laboratory.
Calcitriol	1,25 Dihydroxy Vitamin D	Yellow	Protect from light with tinfoil.
Calcium - Blood	Ca 2+	Yellow	
Calcium - Ionised			Do not collect. Send patient to local hospital laboratory.
Calcium - Urine (24 hour collect)		Urine - 24hr collection in acid bottles	Warn patient about acid in bottles.
Calcium/Creatinine Ratio - Urine (Random)		Random urine collect	
Calculi	Renal stones, stones	Stone	
Calprotectin - faeces		Faeces	Store at 4 degrees until sent to CHL - Freeze if not sent day of receipt.
Calreticulin Mutation Analysis	CAL-R Sequencing	Lavender	Keep at room temperature.
Cannabinoids	Marijuana, THC	Urine - random collection	
Carbamazepine	Tegretol	Yellow	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Carbohydrate antigen 12-5 - see CA 125			
Carbohydrate antigen 15-3 - see CA 153			
Carbohydrate antigen 19-9 - see CA 199			
Carbohydrate antigen 72-4 - see CA 72-4			
Carbohydrate Deficient Transferrin	CDT	Yellow	
Carboxyhaemoglobin, Carbon Monoxide	CO levels, CoHb	Green (no gel)	Take dedicated tube. Tube should be FULL.
Carcino Embryonic Antigen (bowel)	CEA	Yellow	
Carcinoid screen	5HIAA	24hr Urine bottle (acid or plain) or random collection (>5mL)	Medication history must be noted on request form. Note start time and finish times. Dietary restrictions
Cardiac Autoantibodies - No longer available	FBC, blood count	Yellow	
Cardiac Enzymes/screen	Cardiac screen, myocardial panel	Yellow	
Cardiolipin antibodies	Anti-cardiolipin antibody, anti-phospholipid antibody, Cardiolipin, CRD, APA	Yellow	
Carnitine - Blood		Yellow	
Carnitine - Urine		Urine - random collection	
Carotene	β-carotene, Beta-carotene	Yellow	Protect from light.
Casts (Urine) - Refer to Urine Casts			
Cat Scratch Disease	Bartonella henselae, Rochalimaea	Yellow	Onset date of illness desirable.
Catecholamines - Urine	Adrenaline, Cats HVA, Dopamine, Noradrenaline, Urine Catecholamines, Metanephrines	Urine -24hr urine bottle (acid or plain) Child: random Urine or 6hr collection	Medication history must be noted on request form. If acid bottles being used, warn patient. Note start time and finish time and dates.
Catecholamines -Blood	Adrenaline, noradrenaline		Do not collect - send patient to local hospital laboratory.
CBC	FBC, blood count	Lavender	
CBG	Cortisol binding globulin	Yellow	
Cd - See Cadmium, urine or blood			
CD4/CD8	Lymphocyte cell markers, T4:T8 ratio	2 x Lavender	Collect Monday to Thursday ONLY. Take dedicated tubes. Do not collect before a public holiday. Do not refrigerate.
CEA - see Carcino Embryonic Antigen			
Cefazolin	Cephazolin, Cefazoline	Lavender	
Cell Markers - Blood	Lymphocyte cell markers, L1 Immunophenotyping, Surface markers	2 x Lavender	Collect Monday to Thursday ONLY. Take dedicated tubes. Do not collect before a public holiday. Do not refrigerate.
Cellotape preparation	?Pinworm, Enterobius	Cellotape on slide or folded in Urine pottle	Contact microbiology for collection instructions.
Casts (Urine) - Refer to Urine Casts			
Ceruloplasmin		Yellow	
CF mutation analysis	Cystic fibrosis gene testing, Delta F	Lavender	Take dedicated tube.
CGA	Chromogranin A	Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
CH50	Total haemolytic complement	Yellow	Send to the lab same day.
Charcot-Marie-Tooth Disease - see PMP22 Duplication / Deletion Analysis			
Chicken pox PCR - Refer to Varicella zoster			
Chicken pox serology	Chicken pox, Varicella / VZV serology, Varicella IgG, Varicella zoster IgG, Varicella zoster serology, Herpes zoster serology, Shingles	Yellow	CHL no longer perform IgM testing. For immunity testing ONLY. If acute infection is suspected, and diagnosis cannot be made on clinical grounds, a swab for V. zoster PCR testing should be taken.
Chikungunya Virus - PCR	Arbovirus PCR	Yellow	Travel history MUST be provided: countries visited together with dates of duration of stay, description of symptoms, date of symptom onset.
Chikungunya Virus - Serology	Chikungunya IgG/IgM	Yellow	Travel history MUST be provided: countries visited together with dates of duration of stay, description of symptoms, date of symptom onset.
CHL Research Requests		As per form/request - Bloods, Faeces, MRSA, Other Micro	Use panel codes for any CHL research requests (usually on research form with Rxxxx code).
Chlamydia and N.gono DNA/PCR	LCX, LCR, NAAT, Neisseria gonorrhoeae PCR/DNA, Chlamydia trachomatis, Chlamydia swab, STD/STI screen	Hologic APTIMA Multitest Swab or Hologic APTIMA Urine Collection Kit	Refrigerate if delayed transport to lab.
Chlamydia DNA/PCR - Abbott (CHL) swabs only			
Chlamydia Pneumoniae serology	C. Pneumoniae Abs	Yellow	Onset date of illness desirable.
Chlamydia Psittacci Serology	Psitticosis antibody	Yellow	Onset date of illness desirable.
Chloride	Cl	Yellow	
Chlorpromazine	Largactil	Red	Collect 18hrs post dose, note dose, time of dose and time of collection. PROTECT FROM LIGHT.
Cholecalciferol	Vitamin D, 25-OH vitamin D	Yellow	
Cholesterol	Total cholesterol	Yellow	
Cholinesterase (plasma)	Organophosphates	Lavender	Take dedicated tube. If not specified on the request form, add CPL and CHO panels (red cell and plasma)
Cholinesterase (red cell)	Acetylcholinesterase, Organophosphates	Lavender	Take dedicated tube. If not specified on the request form, add CPL and CHO panels (red cell and plasma)
Cholinesterase Phenotyping	Dibucaine and fluoride inhibition, cholinesterase genotyping	Lavender	Take dedicated tube.
Chorionic gonadotrophin - Pregnancy	HCG, pregnancy test	Yellow	
Chorionic gonadotrophin - Tumour	HCG - tumor marker	Yellow	
Chromium - Blood	Cr	Dark Blue	Not suitable for occupational monitoring.
Chromium - Urine	Cr	Urine - random collection	Industrial - collect at end of working week or end of shift. Can also be performed on aspirates (e.g. knee joints).
Chromogranin A		Yellow	
Chromosome Studies	Blood Leucocyte Karyotype, Chromosomes, Karyotype	Green (no gel)	Take dedicated tube Mon-Thu only. Do not take before a long weekend. Minimum for a child 1-2mL. Ensure tube has not expired.
Chymotrypsin		Faeces	
CIN	C1 Esterase Inhibitor, C1 Inhibitor level, C1 INH, C1 Inhibitor	Yellow	
Citrate - Blood		Lavender	
Citrate - Urine		24hr Urine bottle (acid) - contact stores	Deliver to lab ASAP. Warn patients about acid. Note start and finish time and dates.
CK	Creatinine Kinase, CPK, Muscle Enzymes	Yellow	
CK Isoenzymes - refer to CKMB			
CKMB, CKMM	CK-muscle, CK brain	Yellow	
Cl - refer to Chloride			
Class I Tissue Type	HLA-A, HLA-B, HLA-C		Refer patient to local hospital laboratory.
Class II Tissue Type	HLA-DR		Refer patient to local hospital laboratory.
CLFT	GLFT, LFT	Yellow	Christchurch Hospital Panel Code.
CLO TEST		Commercial CLO test	Surgical Biopsy Material from endoscopy.
Clobazam	Frisium	Red	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on the form.
Clomipramine	Desipramine, Clopress, Anafranil, Dothepin, Doxepine, Imipramine, Tricyclic antidepressants, Tricyclic Screen	Red	Collect pre-dose (trough level just prior to patient taking next dose). Note time and date of last dose on form.
Clonazepam	Rivotril	Red	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form
Clostridium difficile - see C. Difficile			

Test Name	Alternative Name	Specimen	Special Requirements
Clotting screen	Coagulation screen, haemostasis screen	Blue and Lavender	Fill tubes to line
Clozapine	Leponex	Red	Take dedicated tube. Collect pre-dose or at least 10-15hrs post dose. Note date and time of last dose on form.
CMV DNA/PCR	CMV viral load	2x Lavender	Take dedicated tubes. 2x 4mL whole blood tubes are required per test. The samples should ONLY be taken Mon-Thur. If collected on Fri must be able to be delivered to CSCL before midday and must be received by Virology at CHL during working hours before 1630 hours. Do not share for other tests. The unseparated sample must be received by Virology CHL within 20hrs of collection held at ambient temperature.
CMV IgG/IgM	CMV screen, CMV serology	Yellow	
CMV viral load - see CMV DNA/PCR			
Co - see Cobalt (urine or blood)			
Coagulation factor assays	Factor II, V, VII, VIII, IX, X, XI, XII, XIII	2x Blue	Out of town: refer patients to local hospital laboratory. Fill tubes to line.
Coagulation screen	Coagulation study, Clotting screen Haemostasis screen	Blue and Lavender	Fill tubes to line.
Cobalamin	B12, Vitamin B12	Yellow	
Cobalt - Blood	Co	Dark Blue	Not suitable for occupational monitoring.
Cobalt - Urine	Co	Urine - random collection	Industrial - collect at end of working week or end of shift. Can also be performed on aspirates (e.g. knee joints).
Coccidioidomycosis Serology	Coccidia	Yellow	
Celiac gene	HLA DQ2, HLA DQ8	Lavender	
Celiac screen	Endomysial Abs, Tissue Transglutaminase, tTG IgA	Yellow	Patient must be on a gluten containing diet for at least 6 weeks prior to testing.
Coenzyme Q10		Green	Protect tube from light.
CoHB	Carboxy haemoglobin, Carbon monoxide	Green (no gel)	Take dedicated tube. Tube should be FULL.
Cold agglutinins			Refer patient to local hospital laboratory
Collagen Binding Assay/ADP	Platelet function analysis, PFA, PFA-100/200	2x Blue	Fill tubes to line. Use 2.7mL blue tube whenever possible. Sample should be delivered to Specimen reception ASAP (within 2 hours so it gets to CHL within 4 hours). Out of town - send patient to local hospital laboratory. Do not refrigerate, do not spin.
Colonoscopy - Refer to Endoscopes			
Complement	Complement C3, Complement C4	Yellow	
Complete blood count	Red cell count, FBC, Full blood count, Haematocrit, Haematology, Haemoglobin, Hb	Lavender	
Conjugated bilirubin	Direct bilirubin, D.Bil	Yellow	Protect from light.
Coombs Test	Direct Antiglobulin Test, AHG, DCT, DAT Direct Coombs Test	Pink	
Copper - Blood	Cu	Dark Blue	
Copper - Urine	Cu	24hr Urine bottle (plain) Acid washed bottles preferred	Acid washed bottles preferred. Contact biochemistry. Note start time and finish time and dates.
Coproporphyrin	Porphyrin - faeces	Faeces	Protect from light.
Corderone	Amiodarone, Aratac	Red	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Coronavirus	SARS-CoV-2, Novel coronavirus, CoVID-19	1 Nasopharyngeal swab in UTM (provided as a kit) AND 1 Oropharyngeal viral transport swab (green-top with foam insert)	CDHB MICROBIOLOGIST MUST BE CONSULTED PRIOR TO SPECIMEN COLLECTION (ph 03 3640640). Collected by GP or Public Health. Specimens are NOT collected at CSCL collection centres and patients should NOT be referred here.
Corticotrophin	Adrenocorticotrophic hormone		Do not collect - send patient to local hospital laboratory.
Cortisol - Blood		Yellow	Specimen must be collected between 7am-9am, unless otherwise requested.
Cortisol - Salivary		Saliva	12am (midnight) sample helpful for Cushing's diagnosis. Before teeth cleaning, no lipstick.
Cortisol - Urine		24hr Urine bottle (plain)	
Cortisol Binding Globulin	CBG	Yellow	
Cotinine	Nicotine metabolites	Urine - random collection	Prefer 20 mL (paediatric 1 mL)
Cough Swab		Cough Swab	
Cowden's Disease Gene test	PTEN	Lavender	Dedicated tube. Referral form must outline clinical details and indication for testing.
Coxiella Serology - refer to Q Fever			
Coxsackie Virus	Enterovirus	Faeces, Viral Swab (Green-top or VTM/UTM) - Throat, Rectum, eye, tissue	Serology NOT available. Viral swabs or faeces ONLY.
CPE / CPO Screen - Refer to MDRO Screen			

Test Name	Alternative Name	Specimen	Special Requirements
C-Peptide - Blood		Lavender	Patient should be fasting overnight. Measure glucose simultaneously. Avoid haemolysis.
C-peptide - Urine		24hr Urine bottle (plain)	
CPI	Anti cyclic citrullinated peptide, anti-CCP	Yellow	
CPK/Creatine kinase	Creatine phosphokinase, CK, Creatine kinase	Yellow	
Cr / OH proline - discontinued at CHL			
C-reactive protein/CRP		Yellow	
Creatinine - Blood	eGFR, Crn	Yellow	
Creatinine / Albumin ratio	ACR, MALB, UALB, Microalbumin / Creatinine spot urine, Microalbumin, Urine albumin	Urine - random or 24hr collection (plain)	
Creatinine / hydroxyproline ratio - Discontinued at CHL			
Creatinine / Protein ratio		Random Urine If requested, 24hr collection (plain)	
Creatinine Clearance	CCL	24hr Urine bottle (plain) and Yellow for blood creatinine acid collection acceptable	Collect blood when patient returns with the 24hr urine. The urine and blood should be collected as near to each other as is possible but may be up to 48hrs apart. Mark form clearly if both specimens are not collected together. Note start time and finish time and dates for 24hr urine.
Creatinine -Urine		24hr Urine bottle (plain) acid collection acceptable	
Crosslaps	β-CTX / CTX, C telopeptide	Lavender	Fasting specimen preferred. Collect between 8-10am.
Crossmatch	Group and hold Group and screen CXM	Pink	Requirements for Tube Labelling - • Pink EDTA is required • Labels on tubes must be handwritten with the following information: • Surname • First Name and middle name (if on form) • Date of Birth • NHI Number • Signature of Person Drawing Blood • Date and Time sample was taken Changes made to the crossmatch request form or sample must be initialised by the person collecting the sample. Requires NZBS crossmatch form signed by person taking the sample.
CRP -HS / CRP - US	Ultra sensitive CRP, high sensitivity CRP	Yellow	Avoid haemolysis.
Cryofibrinogen, cryoproteins, cryoglobulins			Refer patient to local hospital laboratory (Mon-Fri ONLY).
Cryptococcal serology		Yellow	
Cryptosporidium	Giardia/Crypto, Crypto antigen	Faeces	
Crystals - Urine		Urine - random collection	
Crystals (except Urine)	?gout, Birefringent crystals	Aspirate	Specimens taken by referrers eg GP, Surgeon.
C-telopeptide/CTX	Crosslaps/CTX	Lavender	Fasting specimen preferred. Collect between 8-10am.
Cu - see Copper (blood or urine)			
Culture Bacterial (Swab)	Culture, C&S, Swab	Purple-top bacterial swab, Fine wire bacterial swabs	Bacterial culture sites vary and include ulcers, wound, specific sites, ears, eyes, throats, genital etc
Cyanide blood		2x Grey on ice	Take dedicated tubes. Minimum 5mL whole blood. Place on ice.
Cyclosporin A	CycA, Neoral	Lavender	Take dedicated tube. Note dose, time of collection and last dose.
CYP 450 genotyping	Cytochrome P450	Lavender	Performed by Molecular Diagnostics. Take dedicated tube.
Cystatin C		Yellow	
Cystic Fibrosis Gene	CF mutation, Delta F508	Lavender	Take dedicated tube, paediatric minimum 0.5 MI
Cysticercosis Serology	Parasite serology	Yellow	
Cystine - Quantitative	AA (quantitative)	24hr Urine collection (acid)	Warn patient about acid in bottles.
Cystine/cysteine - Urine	Cysteine metabolic profile	Urine - random collection on ice (preferred)	Deliver to the laboratory on ice (preferred).
Cytology - Sputum	Dysplastic cells	3 x Sputum (see notes)	Need 3 early morning specimens collected over 3 consecutive days. Give patients 3 pots. Collect when first get up. Rinse mouth and gargle with tap water. Remove dentures if worn. Perform a deep cough. Collect directly into container.
Cytology - Urine	Dysplastic Cells	3x Urine (see notes)	Need 3 mid-morning Urines collected over 3 consecutive days. First urine of the day NOT accepted. Give patient 3 pots. Inform them that we need a full pot.
Cytomegalovirus - PCR/DNA	CMV viral load/PCR/DNA	2x Lavender	Take dedicated tubes 2x 4.0mL whole blood EDTA tube are required per test. The samples should ONLY be taken Mon-Thur and if collected on Friday, must be able to be delivered to CSCSL before midday and must be received by Virology at CHL during working hours before 1630 hours. Do not share for other tests. The unseparated sample must be received by Virology CHL within 20hrs of collection held at ambient temperature.

Test Name	Alternative Name	Specimen	Special Requirements
Cytomegalovirus serology	CMV	Yellow	
D. Bili - see conjugated bilirubin			
D.fragilis	Dientamoeba fragilis	Faeces	
Dabigatrin	Pradaxa	Lavender	Sample must be taken PRE-DOSE (trough)
DCT	Direct coombs test, Coombes test, Direct antiglobulin	Pink	
D-Dimer		Blue	Fill tube to line.
DDT - refer to Biochemistry department	Refer to Biochem as test > \$500	Red 50mL	Requires minimum 20mL serum (approx. 50mL whole blood).
Deaminated Gliadin Peptide IgG	DGP	Yellow	
Dehydro-epiandrosterone sulphate	DHEA-S	Yellow	
Delirium Screen		Yellow and Lavender and Grey and Urine - random collection	
Delta F508	Cystic fibrosis gene testing, Delta F	Lavender	Take dedicated tube.
Delta Virus	HDV, Hepatitis D virus	Yellow	
Dementia Screen		Yellow and Lavender	
Dengue Virus - Immunity		Yellow	Commercial ONLY - patient to pay for immunity testing.
Dengue Virus - PCR	Arbovirus PCR	Yellow	Travel history MUST be provided: countries visited together with dates of duration of stay, description of symptoms, date of symptom onset.
Dengue Virus - Serology	Dengue virus IgG, IgM	Yellow	Travel history MUST be provided: countries visited together with dates of duration of stay, description of symptoms, date of symptom onset.
Deoxycortisol	Metrapone test	Yellow	Take dedicated tube. State whether pre or post metyparone sample.
Desemethyl-amiodarone	Amiodarone, Aratac, Corderone	Red	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Desipramine		Red	Collect pre-dose (trough level just prior to patient taking next dose). Note time and date of last dose on form.
Desmoglein Antibodies - See Skin Autoantibodies	Skin Autoantibody screen performed at CHL. If positive, further testing performed.		
Dexamethasone suppression test		Yellow	Test involves the patient taking the 1mg dexamethasone tablet at 11pm the night before the test. NOTE: PATIENT NEEDS TO GET PRESCRIPTION FOR DEXAMETHASONE FROM REQUESTING DOCTOR. Sample needs to be collected between 8-10am. Note the date and time dexamethasone taken on form.
DGP - see Deaminated gliadin peptide			
DHEAS	DHEA Sulphate, dehydro-epiandrosterone sulphate, EpiAos	Yellow	
DHT - see dihydrotestosterone			
DIAL	Christchurch Hospital Panel Code	Yellow and Grey	Includes: ELE, CRN, CL, GLU, URE, UA, CA, PO4, ALB, MG, ALP, ALT, GGT.
Diatase		24 hour Urine bottle (plain) or random Urine collection acceptable	
Diazepam	Valium	Red	
Dibucaine and fluoride inhibition	Cholinesterase phenotyping/genotype	Lavender	Take dedicated tube.
DIC screen	DIC haemostasis screen	Blue and 1x Lavender	Fill tube to line.
Digoxin	Lanoxin	Yellow	At least 8hrs post dose recommended. Note date and time of last dose.
Dihydrotestosterone/DHT		Yellow	
Dilantin	Phenytoin	Yellow	Trough level (pre-dose) recommended. Note date and time of last dose.
Dioxin - refer to Biochemistry department	Refer to Biochem as test > \$2500	Red 200mL	Requires 100mL of serum (approx. 200mL whole blood).
Diphtheria IgG/antibodies	Diphtheria vaccination	Yellow	Two specimens, second specimen 2-3 weeks post vaccination.
Direct antiglobulin / Coombs test	Coombes / DCT, Direct coombes test, AHG, DAT	Pink	
Direct bilirubin	Conjugated bilirubin , D-Bili	Yellow	
Direct Bilirubin - NEONATAL	Direct bilirubin - age < 4 weeks old, SBR	Yellow - heel prick (plain microcollect) Out of town: Send to local hospital lab	Protect from light. Treat paediatric specimens as URGENT. Out of town - send patient to hospital laboratory.
Disaccharidase		Biopsy	MUST BE KEPT FROZEN.
Disseminated intravascular coagulation	DIC	Blue and 1x Lavender	Fill tube to line.
DNA / dsDNA	Anti ds DNA, Double stranded DNA, ds DNA	Yellow	
DNA Extraction and Storage		Lavender	DO NOT collect on Friday afternoons or on Saturday
DNaseB	anti-DNaseB, streptococccal antibodies	Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
Dopamine - Blood			Do not collect - send patient to local hospital laboratory.
Dopamine - Urine	Urine catecholamines, metanephrines, adrenaline	Urine - 24hr Urine bottle (acid or plain) Child: random Urine or 6hr collection	Medication history must be noted on request form. If acid bottles being used, warn patient. Note start time and finish time and dates.
Dothiepin	Prothieden, Dopress	Red	Collect pre-dose - 18hrs post dose (trough level just prior to patient taking next dose). Note time and date of last dose on form.
Doxepin		Red	Collect pre-dose - 18hrs post dose (trough level just prior to patient taking next dose). Note time and date of last dose on form.
DQ2, DQ8	Coeliac gene / PCR	Lavender	
Drug screen		Urine - random collection	GP REFERRALS ONLY. No commercial screening to be collected.
DRVVT - refer to Lupus Anticoagulant			
dsDNA - see DNA / dsDNA			
Duodenal Biopsy for Giardia	Duodenal Aspirate for Giardia	Fluid in pottle	From Endoscopy.
Duodenal dissacharidases		Biopsy	MUST BE KEPT FROZEN.
Dysmorphic red cells	Dysmorphic red cells, RCM, Urine red cell Morphology	Urine - fresh random collection	
Dysplastic Cells - See Urine cytology			
E.coli (O157) - For Multi-resistant E.coli refer to ESBL	E.coli 0157, Enterpathogenic E.coli (EPEC), Enterohaemorrhagic E.coli (EHEC)	Faeces	
E2 (Oestradiol)	Estradiol, Estrogen, Oestradiol, Oestrogen	Yellow	
EAST	Specific IgE, RAST	Yellow	PLEASE NOTE: Specific EAST/RAST tests must be stated. Minimum volume for paediatric samples: 2mL Microsample Blood. Volume requirements will vary with the number of specific IgE assays requested. Absolute minimum volumes for paediatric samples are 500uL blood for one allergen and 100uL for each additional allergen.
EBV / Epstein Barr Virus / EBNA	EBV IgG/IgM, EBV VCA IgG/IgM, EBV serology, EBNA IgG	Yellow	
EBV Viral Load	WBC EBV Copies, EBV DNA / PCR	Lavender	Take dedicated tube.
Echinococcus granulosis	Hydatids	Yellow	Onset date of illness desirable.
Echis ratio	Echis clotting time	Blue	Fill tube to line. Deliver to laboratory ASAP
Echovirus		Faeces, Viral Throat swab, Viral Eye swab	Serology NOT available. Viral swabs ONLY.
Elastase	Faecal elastase, Pancreatic elastase	Faeces	Specimen must be received within 24 hrs of collection. Advise patient to refrigerate if stored overnight.
Electrolytes - Blood	Sodium, potassium, Na+, K+	Yellow	Centrifuge or deliver to laboratory within 4hrs of collection.Includes both Sodium (Na) and Potassium (K). If green taken for potassium, code for potassium is KP.
Electrolytes - Faecal	Faecal electrolytes	Faeces - liquid stools only	Formed stools not analysed.
Electrolytes - Urine	Urine electrolytes	Urine - random or 24hr collection (plain) as requested	NOT ACID.
Electrophoresis	Serum protein electrophoresis, SPE	Yellow	
EMA	Endomysial antibodies	Yellow	Test superceded by TTG IgA. EMA (panel code EMA) ONLY added by Immunology staff when appropriate. Patient must be on a gluten containing diet for at least 6 weeks prior to testing.
EMA binding	Replaces red cell fragility, red cell fragility.		Refer patient to hospital laboratory. By appointment ONLY. Contact CHL Haematology.
ENA	Extractable Nuclear Antigens, ENA Screen, Anti-SSA, Anti-SSB, Anti-Sm, Anti-RNP, Anti-Ro, Anti-La, Anti-Scl-70, Anti-Jo-1	Yellow	
Enbrel - See Ethenarcept			
Endomysial antibodies - see EMA			
Endoscopes	Sterility Check, Biological testing, Washing, Last rinse water, Colonoscope, Bronchoscope	Rinse water in a Urine pottle, or a filter	Preferrable minimum 10mL.
English measles	Morbilli, Rubella	Yellow	Onset date of illness desirable.
Entamoeba histolytica	Amoeba serology	Yellow	Onset date of illness desirable.
Entamoeba histolytica - Faeces		Faeces	
Enterovirus PCR	Coxsackie virus	Faeces, Viral Swab (Green-top or VTM/UTM) - Throat, Rectum, eye, tissue	Serology NOT available. Viral swabs, tissue or faeces ONLY.
Environmental swab		Bacterial Swab	Bacterial swab of solid surface to be tested.

Test Name	Alternative Name	Specimen	Special Requirements
Epi AOs - see DHEAS			
Epilim	Valproate, Valproic acid	Yellow	Collect pre-dose. Note collection time, dose and time of last dose.
Epstein Barr virus serology - see EBV			
Erythropoietin / EPO	EPO	Yellow	
ESBL screening		Faeces or faecal-stained bacterial Rectal swab	NOTE: ESBL screening is NOT appropriate from other specimens (e.g. urine).
ESR / erythrocyte sedimentation rate		Lavender	Can share with CBC if a full 4mL tube.
Estradiol / Estrogen	Oestradiol, E2	Yellow	
Ethanercept (and Ethanercept Antibodies)	Enbrel (and Enbrel Antibodies), anti-TNF Biologic	Red	Samples should be taken at drug trough, within 24 hours prior to a dose.
Ethanol - Blood	Alcohol, C2 H5 OH, ETOH	Grey	Take dedicated tube. Do not swab area with alcohol wipes.
Ethanol - Urine	Urine Alcohol	Urine - random collection on ice	
Ethosuximide	Zarontin	Red	Take dedicated tube. Note collection time, dose and time of dose.
Ethyl glucuronide - Urine	EtG	Urine	
Ethylene Glycol	Antifreeze	Yellow on ice	Place SST on ice.
Everolimus		Lavender	Do not aliquot - whole blood. Collected pre-dose.
Extractable nuclear antigens - see ENA			
F508	Delta F508, Cystic fibrosis gene	Lavender	Take dedicated tube.
Factor Assay (Factor II, V, VII, VIII, IX, X, XII, XIII)		2x Blue	Out of town: separate plasma and keep at 4 degrees C. Fill tubes to line.
Factor IX assay	Factor 9	Blue	Out of town: separate plasma and keep at 4 degrees C. Fill tube to line.
Factor V Leiden DNA	Prothrombin 20210, Thrombophilia gene screen	Lavender	
Factor VIII	Factor VIII:C, Factor 8	Blue	Out of town: separate plasma and keep at 4 degrees C. Fill tube to line.
Factor Xa assay	Anti-Xa, anti-10a, Factor-10a	Blue	Deliver to the lab within 4 hrs. Out of town: send patient to hospital laboratory. Fill tube to line.
FAD	Flavine adenine dinucleotide, riboflavin	Lavender	Protect from light. Collect dedicated tube.
Faecal calprotectin		Faeces	Refrigerate until sent to CHL.
Faecal elastase	Elastase, Pancreatic elastase	Faeces	Specimen must be received within 24 hrs of collection. Advise patient to refrigerate if stored overnight.
Faecal electrolytes		Faeces - liquid stools only	Formed stools not tested.
Faecal Fat	Refer to Steatocrit	Faeces	Faecal Fat is no longer available. If requested process as Faecal Steatocrit and have the patient collect a single faeces sample. Refer to diet protocol on CHL website.
Faecal Fat globules / Fat stain	Sudan Stain	Faeces	
Faecal H. Pylori Ag		Faeces	Freeze if >72 h delay.
Faecal occult blood	FOB, Occult blood	Faeces x3	Give patient 3 x faeces collection pots. Inform patients 3 faeces samples are required over 3 days. It is important to date and label each container. Specimens should be kept cool after collection. Best if they are delivered on day of collection, but all three samples can be delivered on the same day.
Faecal ova/parasites	Ova, cysts, parasites, Strongyloides, Dientamoeba, Blastocystis, B. Hominis, Entamoeba, O&P, OCP	Faeces	
Faecal pH		Faeces on ice	
Faecal Reducing substances/sugars	Faecal sugars, Lactose Intolerance, Reducing sugars	Faeces on ice	Transport on ice. Deliver to the laboratory within 3hrs or freeze.
Faecal trypsin - test discontinued			
Faecal viruses	Adenovirus, Sapovirus, Norovirus, Rotavirus, Astrovirus	Faeces	Formed samples not tested. Multiplex PCR detecting Adenovirus, Sapovirus, Norovirus, Rotavirus, Astrovirus - a request for any of these viruses will result in all being tested.
Faeces micro/culture	Faeces pathogens	Faeces	Specimen must be received within 24hrs of collection. Store at room temperature.
FAI	Free androgen index	Yellow	Includes: testosterone and SHBG.
Familial Amyloidosis Gene Test	TTR	Lavender	Dedicated tube. Referral form must outline clinical details and indication for testing.
Familial Hypercholesterolaemia Gene Test (FH)	APOB, APOE, LDLR, LDLRAP1 and PCSK9 gene testing included in this analysis	Lavender	Dedicated tube. Referral form must outline clinical details and indication for testing.
Farmers Lung Antibodies		Yellow	
Fat globules / Fat stain - Refer to Faecal Fat globules			
FBC - see CBC			
FDB	Familial defective Apo B mutation	Lavender	
FDP - Fibrin degradation products	Not available - D. Dimer performed.	Blue	Fill tube to line.
Fe	Iron	Yellow	
Fe studies	Iron studies – Iron/IBC, Iron studies – Fe/IBC, Fe/IBC, Circulating Iron	Yellow	
Ferritin	Ferritin	Yellow	Part of iron studies.
Fertility - Semen		Semen at body temp	Collectors: Mark as URGENT. Keep at 37°C. Christchurch specimens must be delivered to 18 Logistics Drive within 1hr of collection (Mon-Fri 7.30am-4.00pm). Not weekends Public Holidays. Notify Microbiology on arrival.
Fertility Hormones		Yellow	Includes: FSH, LH and prolactin.

Test Name	Alternative Name	Specimen	Special Requirements
FFA	Free fatty acids		Refer patient to hospital laboratory.
Fibrin degradation products - see FDP			
Fibrinogen level		Blue	Fill tube to line.
Filaria parasites - serology/Abs	Microfilaria, parasite serology	Yellow	
Filiria parasites - morphology		Lavender	Indicate on form travel history
First antenatal screen	Antenatal - First	Pink and Yellow and Lavender x2	
FISH - Haematology - see Haematological FISH	FISH for CLL, FISH for Myeloma		
FK506	Tacrolimus	Lavender	Take dedicated tube. Collect pre-dose, note collection date, dose and time of last dose.
Flavine adenine dinucleotide - see FAD			
FLC	SFLC, serum free light chains	Yellow	
Flecainide	Tambacor	Red	Take dedicated tube. Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Flucloxacillin	Floxapan, Fluclox	Red	Collect 1hr post-dose.
Fluconazole		Red (no gel)	
Fluid - Biochemistry	Aspirate, joint fluid, synovial fluid, drainage fluid for biochemical analysis	Fluid in Pottle	Note down site
Fluoride - Blood	FI	Yellow	Urine pottle/ 10mL tube.
Fluoride - Urine	FI	Urine - random collection	Collect at end of working shift.
Fluoride and Dibucaine inhibition	Cholinesterase phenotyping/genotype	Lavender	Take dedicated tube.
Fluoxetine	Prozac	Green - no gel	
FMR-1 Mutation - see Fragile X DNA			
Foetal red cells	Kleihauer	Lavender	
Folate - Red Cell	TEST NO LONGER AVAILABLE - Serum folate tested instead (add panels BFO and RCF if red cell folate is requested)		
Folate - Serum	Serum folate, vit B9	Yellow	
Folic acid - see Folate - Serum			
Follicle Stimulating hormone	FSH	Yellow	Note date of last menstrual period.
Fragile X DNA	FMR-1 Mutation	Lavender	Take dedicated tubes.
Free androgen index - see FAI			
Free fatty acids - see FFA			
Free insulin		Lavender on ice	Patient should be fasting. Place on ice and send within 4hrs.
Free light chains - serum	FLC, SFLC	Yellow	
Free prolactin	Macroprolactin	Yellow	
Free PSA		Yellow	Do not collect post prostatic massage.
Free T3	Triiodothyronine, FT3	Yellow	Note if on any thyroid medication.
Free T4	Thyroxine, FT4	Yellow	Note if on any thyroid medication.
Free Testosterone		Yellow	
Frisium	Clobazam	Red	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on the form.
Fructosamine (see collectors instructions)			Fructosamine testing is no longer performed. If requested then code for HbA1C (GLY) and collect EDTA (Lavender).
Fructose - Seminal Fluid		Fresh seminal fluid after 3 day abstinence from intercourse	Deliver to laboratory ASAP. URGENT.
Fructose -Urine		Urine - random collection	Freeze
FSH	Follicle stimulating hormone	Yellow	Note date of last menstrual period.
FTA - see Syphilis			
FTI - Free thyroxine index		Yellow	Note if on any thyroid medication.
Fungal culture	Mycology, Skin scraping, Nail clipping, Hair	Scraping/Clipping or other Micro (e.g. BAL, Tissue)	Usually nail clippings or parings or skin scrapings. Do not take swab. May also be performed on other invasive micro specimens e.g. Tissue, BAL, Biopsy. Discuss with micro staff if unsure if specimen type is appropriate.
G-6-PD	Glucose-6-phosphate dehydrogenase	Lavender	
Gabapentin			Test NOT available.
GAD antibody	GAD-IA2 antibody, IA2 antibody, Insulin Antigen 2 antibody	Yellow	
Galactose	Galactose-1-phosphate uridyl transferase	Green (no gel)	Deliver to the laboratory within 5hrs. Green tube must not have gel separator. Out of town: refer patient to local hospital laboratory.
Gamma glutamyl transferase GGT	GGT, γ-GT	Yellow	Part of Liver function.

Test Name	Alternative Name	Specimen	Special Requirements
Ganglioside Antibodies	Anti-GM1	Red	
Gastrin		Yellow on ice	Take dedicated tube. A fasting blood is required. Collect ONLY at centrifuging sites before 4pm and place on ice, centrifuge within 1hr and return to lab on ice.
GBL/GBH		Urine - random collection	Collect dedicated sample. Need 20mL minimum.
GBM	Glomerular basement membrane	Yellow	If marked as URGENT, deliver to lab ASAP
Genetic Test Sendaway	Miscellaneous Genetic testing (any genetic test requested without a specific panel code)	Green (no gel) or Lavender (as per CHL collection guide)	Take dedicated tube/s.
Genital culture	Vaginal,Cervical,Urethral,Vulva,Penile	Purple-top bacterial swab, Fine wire bacterial swabs	Specimen is collected by GP/Nurse but can also be patient collected.
Gentamicin Trough or Peak		Yellow	Take dedicated tube. Treat as URGENT. Collect pre-dose (just prior to patient taking next dose) or post dose as requested by the GP. Note time and date of last dose on form.
German measles	Rubella	Yellow	
GFR	Glomerular filtration rate	Yellow	Calculated from creatinine.
GGT	GGT, γ-GTGamma glutamyl transferase	Yellow	Part of Liver function.
Giardia from Duodenal Biopsy	Duodenal Aspirate for Giardia	Fluid in Pottle	From Endoscopy.
Giardia specific antigen	GAT, Giardia	Faeces	
Glandular Fever	EBV, Epstein Barr Virus, infectious mononucleosis, IM	Yellow	
GLFT	CHCH Hospital Profile	Yellow	Standard LFT panel.
GLHB	Glycated haemoglobin Glycosylated haemoglobin Haemoglobin A1c	Lavender	
Gladin IgG – IgA - no longer available (add TGA instead)	Gladin, AGA		Add TGA instead unless patient paid or billed to practice (in which case a phone call informing them that test is no longer available)
Globulin	Total protein/Albumin	Yellow	
Glomerular filtration rate - see GFR			
Glucagon		Lavender on ice	Take dedicated tube.
Glucose - Blood (Fluoride)	Blood Sugar, BSL	Grey	Note Fasting status.
Glucose - Blood (SST tube)	Blood Sugar, BSL	Yellow	Check if patient is fasting or not and record this on form. (Fast Y/N). When SST tube will not be spun at the Collection Centre and for all URGENT requests collect a fluoride oxalate tube (grey top) and code 'FGL'.
Glucose - Urine		Urine - random collection	
Glucose series		3 or more Grey	3 or more glucose tests over a period of time within 24hrs.
Glucose tolerance - 75g	Glucose Tolerance Test	2x Grey	2x Grey - collect fasting sample and then 2hrs post 75g load. Performed to confirm gestational diabetes or diabetes in the general population.
Glucose tolerance - 75g (prolonged)	Prolonged GTT beyond 2 hours post load	3 or more Grey	Note collection times and write times on tubes.
Glucose tolerance - 75g (when additional 1 hour blood collected)	Glucose Tolerance Test	3x Grey	3x Grey - fasting, 1hr, 2hr. ONLY collect 1hr blood if specifically requested.
Glucose tolerance - Challenge 50g	Glucose Challenge, Polycose Screen, Gestational diabetes	Grey	Collect Grey top 1hr after 50g load - screening for gestational diabetes in pregnancy.
Glucose-6-phosphate dehydrogenase - see G6PD			
Glutamic acid decarboxylase - see GAD antibodies			
Gluten antibodies		Yellow	Patient must be on a gluten containing diet for at least 6 weeks prior to testing.
Glycated haemoglobin	Glycosylated haemoglobin, Haemoglobin A1c	Lavender	
Glycine	Amino Acids	Yellow on ice	Deliver to the laboratory within 2hrs on ice - brief clinical history required.
GM-1 - see Ganglioside antibodies			
Gonadotrophins		Yellow	Note date of last menstrual period.
GOT - see AST			
GPT - see ALT			
Group and Hold	Group and screen, Crossmatch	Pink - if known antibody take 3x Pink	Requires NZBS crossmatch form. Label (handwritten) with full name (first, middle and surname), DOB, NHI, date and time of collection. Signed by phlebotomist.
Growth Hormone	GF (Growth Hormone), Somatotrophin, hGH, GH (Growth Hormone), Growth Factor, H. Growth Hormone, Human Growth Hormone	Yellow	Preferable to be fasting and at rest for 1hr before collection.
Growth hormone - Series	hGH series	Yellow	Collect one SST tube at each time requested.

Test Name	Alternative Name	Specimen	Special Requirements
H. Influenzae	Haemophilus influenzae	Yellow	Usually pre and post vaccination samples. Up to 4 weeks for results. One off samples can be done - please specify.
H. Papilloma virus	DNA genotyping, HPV PCR, Human Papilloma Virus PCR, Papilloma PCR		SurePath Cervical scrape. DO NOT use wooden spatula. Specimen is collected by GP/Nurse or a registered smear taker.
H. Pylori - see Helicobacter pylori			
Haematological FISH	FISH for CLL, FISH for Myeloma	1 x 10mL Green (no gel)	Take dedicated tube Mon-Thurs ONLY. Minimum for a child 1-2mL. Ensure tube has not expired. Do not take before a long weekend.
Haemochromatosis gene	C282Y mutation, Haemochromatosis gene test, Haemochromatosis H63/S65, HFE gene test, HLA-H	Lavender	Take dedicated tube.
Haemoglobin	CBC, FBC, blood count	Lavender	
Haemoglobin electrophoresis	Haemoglobinopathy, Thalassemia screen, Hb electrophoresis	2x Lavender	Monday to Thursday ONLY. Do not collect before a public holiday.
Haemoglobin pigments/breakdown products - Blood	Blood pigments	Yellow	Send to lab within 2hrs.
Haemoglobin pigments/breakdown products - Urine		Urine - random collection	Deliver to the lab the same day.
Haemoglobinopathy screen	Haemoglobinopathy electrophoresis, Thalassemia screen	2x Lavender	Monday to Thursday ONLY. Do not collect before a public holiday.
Haemolytic/Haemolysis screen		Yellow and Lavender and Pink	
Haemophilus influenza	H. Influenza	Yellow	Usually pre- and post-vaccination. Take up to 4 weeks for results. One off samples can be done - please specify.
Haemosiderin		Urine - early morning (preferred) or random collection	
Hams acid serum test		2x Lavender	Monday to Thursday ONLY. Do not collect before a public holiday. PNH screen performed unless investigating HEMPAS (contact CHL for more advice).
Hand, Foot and Mouth - refer to Enterovirus PCR			
Haptoglobin		Yellow	
HAV	Hepatitis A	Yellow	
HbA1c	Glycated haemoglobin Glycosylated haemoglobin Haemoglobin A1c	Lavender	
HBcAb	anti-HBc, Hepatitis B core antibody	Yellow	
HBeAb	anti-Hbe, hepatitis B e antibody	Yellow	
HBeAg	Hepatitis B e antigen	Yellow	
HBs Ab	Anti-HBs, HBsAb, Hepatitis B immune status, Hepatitis B Immunity, Hep B surface antibody	Yellow	
HBs Ag	HBsAg, hepatitis B surface antigen	Yellow	
HBV DNA/PCR	Hepatitis B viral load/PCR/DNA	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to hospital laboratory.
HBV serology / screen	Hepatitis B	Yellow	
HCG - Pregnancy	B HCG, Beta HCG, Serum HCG, Serum Pregnancy test	Yellow	Note date of last menstrual period. Please note if HCG is requested on a male then refer to Tumour Marker HCG (TMM).
HCG - tumour marker	bHCG tumour marker, Tumour bHCG, Tumour HCG	Yellow	
HCO3	Bicarbonate		Refer patient to local hospital laboratory.
HCV	Hepatitis C Antibody, anti-HCV	Yellow	
HCV Genotype	Hepatitis C genotype	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to local hospital laboratory
HCV PCR / RNA	Hepatitis C viral load/PCR/RNA	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to local hospital laboratory
HDL cholesterol		Yellow	Confirm if patient is fasting or not and record this on form. (Fast Y/N). Includes: Cholesterol (Total), HDL, LDL, Triglyceride.
HDV	Hepatitis D virus, Delta virus	Yellow	
Headlice - Refer to Lice			
Helicobacter pylori antibody	H. pylori Ab, HP Antibodies	Yellow	
Helicobacter pylori antigen	Helicobacter Antigen, H. pylori Ag, HP Antigen	Faeces	Fresh faecal sample. Store at 4 degrees and freeze if testing is performed >72hours.
HEMA	CHCH Hospital Profile	Yellow and Grey	Includes: ELE, CRN, GLU, CA, ALB, BIL, ALP, ALT, CRP.
HEMO	CHCH Hospital Profile	Yellow and Grey	Includes: ELE, CRN, GLU, CA, ALB, BIL, ALP, ALT, CRP.
Henselae serology - see Cat scratch			
Heparin Assay		Blue	Fill tube to line. Deliver to the laboratory ASAP.

Test Name	Alternative Name	Specimen	Special Requirements
Hepatitis A - Total (IgG + IgM)	HAV - immunity, hepatitis A antibodies	Yellow	
Hepatitis A / HAV	HAV, hepatitis A serology	Yellow	
Hepatitis A IgM	Hepatitis A - ?infection	Yellow	Marker for acute HAV.
Hepatitis B core antibody	anti-HBc, HBcAb	Yellow	
Hepatitis B core IgM	Hep Bc IgM	Yellow	
Hepatitis B DNA/PCR	Hepatitis B viral load/PCR/DNA	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to hospital laboratory.
Hepatitis B e Antibody	anti-Hbe	Yellow	
Hepatitis B e Antigen	HBsAg	Yellow	
Hepatitis B Genotyping	HBV Genotyping, Lamivudine resistance, Hepatitis B resistance Adefovir resistance, Tenofovir resistance Entecavir resistance, YMDD mutation	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to hospital laboratory.
Hepatitis B Infection - See Hepatitis B surface antigen			
Hepatitis B serology / screen	Hepatitis B	Yellow	
Hepatitis B surface antibody	Anti-HBs, HBsAb, Hepatitis B immune status, Hepatitis B Immunity, Hep B surface antibody	Yellow	
Hepatitis B surface antigen	HBsAg, Hep B antigen, Hep Bs antigen, Hepatitis B antigen, Hepatitis Bs antigen, Hepatitis B carrier status, HBV carrier status, Hep B carrier status	Yellow	Marker for acute and chronic HBV infection
Hepatitis B YMDD	HBV YMDD, YMDD mutation, Hepatitis B genotype	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to hospital laboratory.
Hepatitis C Genotype	HCV Genotype	2x Lavender	Monday to Thursday ONLY. Do not collect before a public holiday.
Hepatitis C PCR / RNA	HCV viral load/PCR/RNA	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to local hospital laboratory.
Hepatitis C serology / antibodies	Hepatitis C Antibody, anti-HCV	Yellow	
Hepatitis D serology	Hepatitis D virus, Delta virus	Yellow	
Hepatitis E	HEV	Yellow	Provide appropriate clinical details - travel history.
Hepatitis Screen		Yellow	
Hereditary Fevers - Gene Test	MEFV, MVK, NLRP3, TNFRSF1A	Lavender	Take dedicated tube. Referral form should outline clinical details and indication for testing.
Hereditary Pancreatitis - Gene Test	CFTR, CTRC, PRSS1, SPINK1	Lavender	Take dedicated tube. Referral form should outline clinical details and indication for testing.
Herpes simplex PCR	HSV PCR	Hologic Aptima Multitest Swab	Swab vesicular lesions.
Herpes simplex serology	HSV serology, HSV1 / HSV2 antibody	Yellow	Only tested by CHL as part of pre-transplant screen and perinatal testing
Herpes zoster - Refer to Varicella zoster			
HFE gene	C282Y mutation, Haemochromatosis gene test, Haemochromatosis H63/S65, HFE gene test, HLA-H	Lavender	Take dedicated tube.
Hg - Blood	Mercury	Dark Blue	Take dedicated tube.
Hg - Urine	Mercury	24hr Urine bottle or random Urine collection acceptable with preservative. If no preservative, a random urine can be taken and frozen ASAP (within 4-6 hours).	Requires a special preservative. Contact Biochemistry or if no preservative, freeze a random urine ASAP (within 4-6 hours).
hGH - see Growth hormone			
hGH series - see Growth Hormone Series			
HIAA	HIAA Quantitation, 5-hydroxy indole acetic acid, serotonin metabolites, Hydroxyindole acetic acid (5HIAA), Urine 5HIAA	24hr Urine bottle (acid or plain) or random collection (>5mL)	Medication history must be noted on request form. Note start time and finish times. Dietary restrictions.
High Sensitivity CRP	hsCRP, usCRP, ultrasensitive CRP	Yellow	Avoid haemolysis.
High Sensitivity Troponin	Trop-I, troponin	Yellow	Deliver to laboratory ASAP. URGENT.
Hippuric Acid	Toluene	Urine - random collection	Collect immediately after exposure to toluene.
Histamine		Urine - 24hr acid collection	Medication history must be noted on request form. Patient should be on a histamine-free diet for 24hrs prior to and also for 24hrs during urine collection. For example cheese, yoghurt, sauerkraut and wine. Canned fish should also be avoided. Note start and finish times. Warn patient about acid in the bottles.
Histone Antibodies	Drug induced lupus Abs	Yellow	
Histoplasmosis Serology	Histoplasma	Yellow	Date of illness onset desirable.
HIV	HIV antibodies (1+2)	Yellow	Do not code if 1st antenatal is requested and patient is pregnant (code is AHI).
HIV Viral Load/PCR	HIV RNA Viral Load	2x Lavender	Take dedicated tubes - Monday to Thursday ONLY. Out of town: send patient to local hospital laboratory.
HLA - A,B,C	Class I tissue typing		Refer patient to local hospital laboratory.
HLA - DR	Class II tissue typing		Refer patient to local hospital laboratory.

Test Name	Alternative Name	Specimen	Special Requirements
HLA B27	Ankylosing spondylitis	Lavender	
HLA DQ2 & DQ8	HLA DQ8, HLA tissue typing, Coeliac gene testing, Coeliac gene screening	Lavender	
HLA-H	Haemochromatosis gene, HFE gene	Lavender	Take dedicated tube.
HMGCR Antibodies	3-Hydroxy-3-methylglutaryl CoEnzyme A Reductase Antibodies	Yellow	
HMMA	Homovanillic acid, vanilly mandelic acid, hydroxy methoxy mandelic acid	Urine - 24hr Urine bottle (acid or plain) Child: random Urine or 6hr collection	ONLY PERFORMED ON CHILDREN UNDER 15 YEARS OLD. Avoid vanilla containing food for three days prior to test. Medication history must be noted on request form. Note start time and finish time and dates
Holotranscobalamin	Active B12	Yellow	
Homocysteine - Blood	Homocysteinuria	Lavender on ice	Fasting specimen required, place immediately on ice and deliver to the laboratory within 3hrs.
Homocysteine - Urine			Test superceded by plasma homocysteine. Contact Paediatric Laboratory at CHL before collection.
Homogenistic acid	Urine metabolic acid	Urine - random collection on ice (preferred)	Deliver to lab on ice (preferred).
HPA 1a antibodies	Platelet antibodies		Refer patient to local hospital laboratory.
HPV	Human papillomavirus	Surepath Vial	
HPV Viral Swab	Warts	Viral swab (green-top or in VTM), Biopsy	REQUIRES MICROBIOLOGIST APPROVAL. Genital warts usually diagnosed clinically. CHL send to LabPlus for testing, results take up to four weeks.
hsCRP - see High sensitivity CRP			
Hsp-70 - No longer available			
HSV antibodies	HSV 1, HSV 2 serology	Yellow	
HSV PCR / antigen / DNA - refer to Herpes Simplex PCR			
HTLV 1 / HTLV 2	HTLV II, HTLV I	Yellow	Onset date of illness desirable.
HTLV III	HIV	Yellow	NOTE: HTLV I and HTLV II different test and code.
Humira (and Humira Antibodies)	Adalimumab	Red	Samples should be taken at drug trough, within 24 hours prior to a dose.
Huntington's disease		Lavender	Take dedicated tube. Requires genetic counselling and informed consent.
Hydatid serology	Echinococcus granulosus	Yellow	Onset date of illness desirable.
Hydroxy methoxy mandelic acid	Homovanillic acid, vanilly mandelic acid, HMMA.	Urine - 24hr Urine bottle (acid or plain) Child - random Urine or 6hr collection	ONLY PERFORMED ON CHILDREN UNDER 15 YEARS OLD. Avoid vanilla containing food for three days prior to test. Medication history must be noted on request form. Note start time and finish time and dates
Hydroxybutyrate	Ketones	Yellow	
Hydroxyproline	OH-proline	Urine - 24hr collection (plain) bottles	Patient to be gelatine free up to 72hrs prior to collection. See dietary instructions on CHL website.
Hydroxyproline / creatinine ratio	OH-proline:Crn ratio	Urine - special procedure	12hr overnight fast, empty bladder. Drink 250mL distilled water then collect next urine 30-60 minutes later.
Hypertriglyceridaemia - Gene Test	ANGPTL3, APOA5, APOAC2, APOC3, APOE, GPD1, GPIHBP1, LMF1 and LPL genes analysed.	Lavender	Take dedicated tube. Referral form should outline clinical details and indication for testing.
IA2 antibodies		Yellow	
IAA	Insulin autoantibody		Test no longer available.
ICA	Islet cell antibodies	Yellow	
IFA	Intrinsic factor antibodies	Yellow	
IgA		Yellow	Part of immunoglobulins (IMM), may be requested in isolation (IGA).
IgE	Total IgE (do not confuse with specific IgE (RAST/EAST)	Yellow	
IGF-1	Insulin Growth Factor, somatomedin-C	Yellow	
IGF-BP3 (IGBP-3)	Insulin like growth factor binding protein 3	Yellow	
IgG		Yellow	Part of Immunoglobulins.
IgG subclasses	IgG4	Yellow	
IgG4 - see IgG subclasses			
IgM		Yellow	Part of Immunoglobulins.
IGRA	Interferon gamma releasing assay, Quantiferon Gold	Set of 4 special collection tubes (must be filled to line)	Collect Monday to Thursday ONLY. DO NOT collect the day before public holiday). Special protocol. Keep tubes at room temperature.
Ig's	Immunoglobulins	Yellow	
IL-28B genotype (HCV)	IL28B, interleukin 28B genotype	Lavender on ice	Take dedicated tube. Send to lab on ice.
Illumi - VERIFICATION	Verifi Prenatal Test	2 x Mottled Streck Tube	As per Illumi Screen however verification not charged to patient
ILLUMI SCREEN Test		Mottled Streck Tube	Collect after EDTA, before Fluoride tube. Cost to patient \$595 incl. GST.
IM screen - refer to EBV serology	Infectious mononucleosis, EBV	Yellow	
Imatinib		Lavender	Trough level (pre-dose) recommended.

Test Name	Alternative Name	Specimen	Special Requirements
Imipramine		Red	Collect pre-dose (trough level just prior to patient taking next dose). Note time and date of last dose on form.
Immigration standard tests		2x Yellow and 2x Lavender	Patient must pay for tests.
Immigration Thalassemia Screen	Haemoglobinopathy, Thalassemia screen	2x Lavender	Collect Monday to Thursday ONLY. Do not collect before a public holiday.
Immune complexes	C1q binding	Yellow	
Immuno Electrophoresis	Immunofixation, Myeloma screen, Paraprotein, Protein Electrophoresis, Protein EPG, SPE	Yellow	
Immunofixation		Yellow	
Immunoglobulins	IgA, IgG and IgM	Yellow	
Immunophenotype – see Lymphocyte Markers			
Immunophenotyping	Lymphocyte cell markers, L1 Immunophenotyping, Surface markers	2x Lavender	Take dedicated tubes. Collect Monday to Thursday ONLY. Do not collect before a public holiday. Do not refrigerate.
Indican - discontinued at CHL			
Indoles - see 5HIAA			
Infectious mononucleosis	EBV, IM	Yellow	
Infliximab (and Infliximab Antibodies)	Remicade (and Remicade Antibodies), anti-TNF biologic	Red	Samples should be taken at drug trough, within 24 hours prior to a dose.
Influenza PCR		Nasopharyngeal swab into viral transport media	If VTM (viral transport media) is unavailable, phone Microbiology 03 359 0957 to discuss alternatives. For supplies of VTM swab kits (including paediatric), contact Canterbury Health Laboratories, ph 03 3640484.
Influenza serology	Test no longer available		
Inhibin	Inhibin B	Yellow on ice	Send on ice.
Inner ear antigen / antibody - No longer available	HSP-70		
INR	PR, Prothrombin Ratio	Blue	Fill tube to line.
Insulin	Free Insulin	Lavender on ice	Patient should be fasting. Place on ice and send within 4hrs.
Insulin Antibody	Not to be confused with insulin autoantibodies	Yellow	
Insulin autoantibody	IAA. No longer available.		
Insulin Sensitivity Index	ISI	Yellow and Lavender on ice	Patient must be fasting. Take on ice.
Insulin-like growth factor 1	IGF-1, somatomedin-C	Yellow	
Insulin-like Growth Factor Binding Protein 3	IGF-BP3	Yellow	
Intact PTH	Parathyroid hormone, PTH	Lavender	Take dedicated tube. Deliver to laboratory the same day.
Interleukin 28B - see IL28B genotype			
Intrinsic Factor antibodies	IFA	Yellow	
Iodide / Iodine - Urine		Urine - 24hr collection (plain) bottles	
Ionised Calcium			Refer patient to local hospital laboratory.
Iron / Iron studies	Iron studies – Iron/ferritin, Iron studies – Fe/IBC, Fe/IBC, Circulating Iron	Yellow	
Islet cell antibodies	Islet cell antibodies	Yellow	
Isoniazid	Rifinah	Green	
Itraconazole	Sporonox	Red on ice	
JAK2 Exon 12 Mutation Screen		5x Lavender	Take dedicated tubes (require 20mL EDTA peripheral blood). Collect Monday to Thursday ONLY.
JAK2 mutation (V617F)	Janus Kinase 2 PCR, V617F	Lavender	Take dedicated tube. Collect Monday to Thursday ONLY. Do not collect before a public holiday.
Janus kinase 2	Janus Kinase 2 PCR, V617F	Lavender	Take dedicated tube. Collect Monday to Thursday ONLY. Do not collect before a public holiday.
Japanese encephalitis Serology		3.5mL Gold	Take dedicated tube.
JAUN	CHCH Hospital Profile	Yellow	Includes: BIL, DBIL, AST, ALT, ALB, ALP.
Jo-1		Yellow	Part of ENA screen.
Kaolin Clot Time	KCT, Lupus anticoagulant, SCT, silica clotting time, DRVVT	2x Blue	Deliver to the laboratory ASAP. Fill tubes to line.
Karyotype		Green (no gel)	Take dedicated tube Mon-Thu only. Do not take before a long weekend. Minimum for a child 1-2mL. Ensure tube has not expired.
KCT - see Kaolin Clot Time			

Test Name	Alternative Name	Specimen	Special Requirements
Kell Type Group		Pink	
Ketones - Blood	Betahydroxybutyrate, b-hydroxybutyrate, Hydroxybutyrate	Yellow	
Ketones - Urine - Refer to Urine Ketones			
K ⁺ - Blood (plasma)	Plasma potassium	Green	Centrifuge and deliver to the laboratory within 4hrs of collection. Do not refrigerate. ONLY collect if clinician specifically requests plasma potassium.
K ⁺ - Blood (serum)	Potassium, part of electrolytes	Yellow	Centrifuge or deliver to laboratory within 4hrs of collection Do not refrigerate. If heparin (green) is taken for potassium, code for potassium is KP (see below).
K ⁺ - Urine	Urine potassium	Urine - 24hr collection (plain)	
Kleihauer Test	Foetal red cells	Lavender	
Kleinfelters (chromosome studies)		Green (no gel)	Take dedicated tube Mon-Fri. Minimum for a child 1-2mL. Ensure tube has not expired. Do not take before a long weekend.
L1 Immunophenotyping - see Lymphocyte markers			
LAC	Lupus anticoagulant, Lupus inhibitor, silica clotting time, DRVVT, Koalin clotting time	2x Blue	Fill tubes to line.
Lactate			Refer patient to local hospital laboratory.
Lactate Dehydrogenase	LDH, LD	Yellow	
Lactate dehydrogenase isoenzymes	LD isoenzymes	No longer available	
Lactose Intolerance Gene Test - not available (research only)			
Lactose Tolerance Test - Refer to Reducing Substances			
Lamotrigine	Lamictal	Red	Collect pre-dose (just prior to patient taking next dose). At least 8hrs post dose. Note time and date of last dose on form
Lanoxin - see Digoxin			
LAP - see BCR/ABL	Neutrophil alkaline phosphatase		No longer performed - see ABL/BCR.
LAP / NAP			No longer offered - see BCR/ABL.
Largactil	Chlorpromazine	Red	Collect 18hrs post dose, note dose, time of dose and time of collection. PROTECT FROM LIGHT.
Laroxyl	Tryptanol, Amitriptyline	Red	Collect 18hrs post dose, note dose, time of dose and time of collection.
LD (LDH) isoenzymes- see lactate dehydrogenase isoenzymes			
LD/LDH - see lactate dehydrogenase			
LDL cholesterol		Yellow	Confirm if patient is fasting or not and record this on form. (Fast Y/N). Includes: Cholesterol (Total), HDL, LDL, Triglyceride.
LDL Receptor Gene Analysis	LDL-R genetic mutation analysis	Lavender	
LE Cells	ANA ANF	Yellow	
Lead - Blood		Dark Blue	Take dedicated tube.
Lead - Urine		Urine - 24hr collection, random Urine OK for occupational testing but acid washed preferred (contact Biochemistry)	
Legionella - Urine	Legionella antigen, Legionella pneumophila-1 Ag.	Urine - random collection	Refrigerate.
Legionella culture - refer to Legionella PCR			
Legionella PCR	Legionnaires Disease	Respiratory secretions, Aspirate, Tissue, Serum	Transport at room temperature.
Legionella serology		Yellow	Onset date of illness desirable. Collect SST and a second specimen 3 weeks later.
Leiden Factor - see Factor V Leiden			
Leiden V - see Factor V Leiden DNA			
Leishmania culture			
Leishmania serology	Parasite serology	Yellow	Take dedicated tube.
Leponex	Clozapine	Red	Take dedicated tube. Collect pre-dose or at least 10-15hrs post dose. Note date and time of last dose on form.
Leptin		Lavender	Not a routine test. Approval required by pathologist. See CHL website for details.
Leptospira PCR		Urine - preferably EMU	20mL required. Refrigerate.
Leptospirosis Serology		Yellow	Onset date of illness desirable.
Leucocyte Alkaline Phosphatase			No longer offered - see BCR/ABL.
Leucocyte antibodies	White cell antibodies	Red	Performed by NZBS at National Tissue Typing Laboratory Auckland.

Test Name	Alternative Name	Specimen	Special Requirements
Levitracetam		Red	Note time of collection and last dose.
LFT	CHCH Hospital Profile	Yellow	Includes: ALT, AST, BIL, GGT, TP, ALB, ALP.
LFT's	Liver function tests	Yellow	Includes: ALT, AST, BIL, GGT, TP, ALB, ALP.
LH	Luteinising hormone	Yellow	Note LMP.
Li / Lithium carbonate	LiCO3	Yellow	Collect 12hrs post-dose. Note dose, time of dose and collection time. DO NOT Collect Green tube (Lithium heparin).
Lice	?Nits, Headlice, Pubic lice, Pediculus humanus, Phthirus pubis	Hair with attached egg in pottle	
Lipase	Pancreatic lipase	Yellow	
LIPi	CHCH Hospital Profile	Yellow and Grey	Includes: GLU, UA, ELE, AST, GGT, CRN, BIL.
Lipid Electrophoresis	Lipoprotein electrophoresis, Lipid/Lipoprotein EPP	Yellow	
Lipid Ultracentrifugation		2x Lavender Full tubes	Patient must be fasting >14hrs.
Lipids		Yellow	Confirm if patient is fasting or not and record this on form. (Fast Y/N). Includes: Cholesterol (Total), HDL, LDL, Triglyceride.
Lipoprotein (a)	Lpa, Lipo a, LP(a)	Yellow	
Lipoprotein A1 / B	Apolipoprotein, Apo A1	Yellow	
Lipoprotein Electrophoresis	Lipid electrophoresis, lipoprotein EPP	Yellow	
Listeria		Blood Culture Bottles	Febrile or symptomatic patients, collect 2 sets of blood cultures. Serology NOT available, screening NOT available. Discuss with a clinical microbiologist if required.
Lithium	Li, LiCO3	Yellow	Collect 12hrs post-dose. Note dose, time of dose and collection time. DO NOT Collect Green tube (Lithium heparin).
Liver Autoantibody Screen	Anti smooth muscle, anti mitochondrial antibodies	Yellow	
Liver Biopsy - Copper		Biopsy - Frozen	Refer patient to local hospital laboratory.
Liver Biopsy -Iron		Biopsy - Frozen	Refer patient to local hospital laboratory.
Liver Function Test	LFT's, Liver Enzymes, Liver Group	Yellow	Includes: TP, ALB, ALP, ALT, AST, BIL, GGT.
Liver/Kidney/Microsomal Abs	LKM antibodies	Yellow	
LPA, LP(a) - see lipoprotein a			
Lupus antibodies	SLE antibodies	Yellow	
Lupus anticoagulant / inhibitor	LAC, Silica clotting time, DRVVT, kaolin clotting time	2x Blue	Fill tubes to line.
Luteinising hormone	LH	Yellow	
Lyme Disease Serology	Borrelia serology, Lyme disease	Yellow	Onset date of illness desirable.
Lymphocyte markers	Lymphocyte cell markers, Immunophenotyping, surface markers, flow cytometry	2x Lavender	Collect Monday to Thursday ONLY. Do not collect before a public holiday. Take dedicated tubes. Do not refrigerate.
Macroprolactin	Free prolactin	Yellow	
Magnesium - Blood	Mg2+, Mg	Yellow	
Magnesium - Red cell	RBC Magnesium, RBC Mg2+	Green (no gel)	
Magnesium - Urine		Urine - 24hr collection (acid)	Note start time and finish time and dates. Warn patient about acid in bottles.
MAI (Mycobacterium avium/intracellulare) - Refer to TB			
Malaria Parasites	Thick and Thin Films	Lavender	Note travel history. Advise haematology and deliver to the laboratory ASAP.
MALB	ACR, UALB, Albumin/creatinine ratio, Microalbumin	Urine - random or 24hr collection (plain)	
Mandelic Acid	Styrine	Urine - random collection	Minimum 30mL to be collected at the end of working shift.
Manganese - Blood	Mn	Dark Blue	Take dedicated tube.
Mantoux	Tuberculin		
Marijuana	Cannabinoids, THC	Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Maternal serum screen	Triple test, PAPP-A and β-HCG	Yellow	Patients must present with a Combined/Maternal Serum Screening Lab form. Ensure all collection details are recorded: Collection date and time, Collection centre code (Location), Collector's name. If it is outside the recommended timeframe for collection the referrer must be contacted. Collect a dedicated SST and centrifuge before transport. If unable to centrifuge, refer patient to a CSCL collection centre or arrange for the sample to reach the laboraotry (in a red bag) within 3 hours of collection.
MDRO	Multi Drug Resistant Organism screen, ESBL, CRE, VRE	Faeces OR Faecal-stained bacterial Rectal swab	Specify specific screening required (ESBL/VRE/CRE), MRSA not included, please request separately if required.
Measles antibodies	Measles IgG, Measles IgG/IgM, Measles serology, Measles status, Morbilli, Rubella	Yellow	Onset date of illness desirable.

Test Name	Alternative Name	Specimen	Special Requirements
Measles PCR/RNA		Nasopharyngeal swab into VTM	Bacterial swab NOT suitable. Bacterial swab NOT suitable. For supplies of VTM swab kits (including paediatric), contact Canterbury Health Laboratories, ph 03 3640484.
Melanin / Melanogen		Urine - fresh random collection	Protect sample from light.
Melliril	Thioridazine		Test NOT available.
MENL	CHCH Hospital Profile	Yellow and Grey	Includes: ELE, CRN, GLU, CA, PO4, ALB.
Menopausal hormones		Yellow	Note date of last menstrual period.
Mercury - Blood	Hg	Dark Blue	Take a dedicated tube.
Mercury - Urine	Urine Hg	24hr Urine bottle or random Urine collection acceptable - both require a special preservative	Requires a special preservative. Contact Biochemistry or freeze random urine within 1hr.
Metabolic profile - Urine	Organic acids, amino acids	Urine - random collection on ice (preferred)	Deliver to lab on ice (preferred).
Metamphetamines - Urine		Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Metanephrine-plasma/blood	Normetanephtrines	Lavender	Take dedicated tube.
Metanephrine-Urine	Normetanephtrines	Urine - 24hr Urine bottle (acid or plain) Child: random Urine or 6hr collection	Medication history must be noted on request form. If acid bottles being used, warn patient. Note start time and finish time and dates.
Methadone - Blood		Red	Collect pre-dose (just prior to patient taking next dose) or 2.5-4hrs post dose. Note time and date of last dose on form.
Methadone - Urine		Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Methaemalbumin		Yellow	
Methaemoglobin	Met Hb		Refer patient to local hospital laboratory.
Methanol		Yellow on ice	Centrifuge and send whole blood on ice.
Methotrexate		Red	Note time and date of last dose on form.
Methotrimeprazine			Test NOT available.
Methyl Bromide		Yellow	Collect at end of working shift.
Methyl tetrahydrofolate - NO LONGER PERFORMED			
Methylhippuric Acid	Xylene	Urine - random collection on ice	Collect immediately following exposure/working shift.
Methylmalonic Acid - Urine	Metabolic screen	Urine - random collection on ice (preferred)	Deliver to lab on ice (preferred).
Methylphenidate	Ritalin	Urine - random collection	Blood levels NOT available. Must be specifically requested on form.
Methylmalonic Acid - Blood	MMA	Yellow	
Metyrapone test	Deoxycortisol	Yellow	Must state whether pre or post metyrapone sample.
Mexiletine		Red	
Mg, Mg2+	Magnesium	Yellow	
Mianserin	Tolvon	Red	Collect 18hrs post-dose.Take dedicated tubes. Record collection time, dose, date and time of last dose on request form.
Microalbumin	ACR, UALB, Albumin/creatinine ratio, Microalbumin	Urine - random or 24hr collection (plain)	
Microarray	Nucleotide polymorphisms for developmental delay or intellectual disability	Lavender and Green. Paediatric Specimen: 1-2 mL EDTA and 0.5 mL LiHep (optional)	Mix specimens well after collection. Clinician should provide full clinical information including ethnicity and any known consanguinity.Take dedicated tubes Mon-Thurs ONLY. Ensure tube has not expired. Do not take before a long weekend.
Microdeletions Y-Chromosome		Lavender	
Microfilaria morphology		Lavender	
Microsomal antibodies	Thyroid Antibodies	Yellow	
Miscarriage Profile	Miscarriage profile, recurrent miscarriage screen	4x Blue (or 5x Blue if factor VIII is requested), 4x Lavender (or 5x EDTA if homocysteine is requested), 2x Yellow, 1x Pink, and 1x Green (Karyotype)	
Mitochondrial antibodies	AMA	Yellow	Part of AUT panel.
MMA - see Methylmalonic Acid			
MMR	Measles, Mumps, Rubella	Yellow	
Mn - see Manganese			
Moclobenide	Aurorix	Red	
Monospot - refer to EBV serology	Paul Bunnell, IM screen	Yellow	
Morbili	Measles, English measles, Rubeola	Yellow	Onset date of illness desirable.
Morbili PCR - Refer to Measles PCR			

Test Name	Alternative Name	Specimen	Special Requirements
Morphine - Blood	Morphine sulphate, MST	Red	
Morphine - Urine		Urine - random collection	Collect dedicated sample. Need 20mL minimum.
MPO / ANCA	Myeloperoxidase antibodies	Yellow	
MRSA	MRSA screen	Bacterial Swab	Collect 1 bacterial swab from each of the following sites - Nasal, Natal Cleft, Groin region (=3 swabs in total).
MTHFR analysis		No longer available	Do not collect a sample as this test is no longer available
Mumps IgG / IgM	Anti Mumps IgG/IgM, parotitis antibodies	Yellow	
Mumps PCR		Buccal/oral/saliva swab in VTM/UTM	
Muramidase	Lysozyme	Yellow	Takes 3-4 months for a result.
Muscle enzymes		Yellow	
MUSK Antibodies / Muscle specific kinase Abs	Muscle specific kinase	Yellow	
Myasthenia gravis antibodies	Acetylcholine receptor antibodies	Yellow	
Mycobacteria - See TB			
Mycophenylate/Mycophenolic Acid		Green (no gel)	
Mycoplasma - Refer to specific Mycoplasma species listings			
Mycoplasma / Ureaplasma	Mycoplasma hominis, Ureaplasma urealyticum	Bacterial Genital swab, Urine, seminal fluid	Females, a bacterial cervical swab preferred. Males, a first catch urine. Bacterial urethral swabs also acceptable (male or female).
Mycoplasma genitalium PCR		FCU; swab in VTM or CHL orange top multi-collect tube	Requires microbiologist approval, only tested with appropriate clinical information (e.g. contact, Tx failure).
Mycoplasma hominis - Refer to Mycoplasma / Ureaplasma			
Mycoplasma Pneumoniae Antibodies	Mycoplasma Pneumoniae IgG, Mycoplasma Pneumoniae IgM	Yellow	
Mycoplasma pneumoniae PCR		Throat swab in VTM, sputum or bronchial wahings	
Myeloma Screen – EPP and free light chains	Immune Electrophoresis, Paraprotein, Protein EPG, SPE	Yellow	
Myeloperoxidase antibodies	MPO ANCA	Yellow	
Myocardial enzymes / screen	Troponin I	Yellow	Deliver to laboratory ASAP. URGENT.
Myoglobin - Blood		Yellow	Avoid haemolysis.
Myoglobin - Urine		Urine - random collection	
Myositis Antibodies	Mi2,Ku,PM Scl-100,PM Scl-75, SRP,PL7,PL12, E.J,OJ and Ro52	Yellow	
Mysoline - see Phenobarbitone			
Na+ - Blood	Sodium	Yellow	Centrifuge or deliver to the lab within 4hrs of collection, do not refrigerate. Part of electrolytes.
Na+ - Urine	Urine sodium	Urine - random or 24hr collection (plain) as requested	
Nail Clipping - Refer to Fungal Culture			
NAP - see BCR/ABL	Neutrophil alkaline phosphatase, LAP		No longer offered - see BCR/ABL.
Narcotic Screen	Drug screen	Urine - random collection	Collect dedicated sample. Need 20mL minimum.
N-BNP	Brain natriuretic peptide, BNP, Pro-BNP	Lavender on ice - Take dedicated tube	Place the sample on ice and send to the laboratory in a red bag for delivery the same day. Room temperature samples must reach the laboratory within 3 hours.
NBT	Nitro blue tetrazolium, neutrophil oxidative burst		Refer patient to local hospital laboratory.
Neisseria gonorrhoeae PCR	N.gonorrhoeae NAAT/LCx/LCR/PCR, Gono	Hologic APTIMA Multitest Swab or Hologic APTIMA Urine Collection Kit	Refrigerate if delayed transport to lab.
NEON	CHCH Hospital Profile	Yellow	Includes: ALP, BIL, MG, ALB, PO4, CA, URE, CL, CRN, ELE.
Neonatal Bilirubin	Up to 4 weeks old - SBR	Yellow - heel prick (plain microcollect) Out of town: Send to local hospital lab	Protect from light, treat paediatric specimens as URGENT. Out of town: send patient to hospital laboratory.
Neonatal Screen	Blood group, DCT, DAT	Lavender	Heel prick collection, paediatric EDTA tube or cord blood.
Neuromyelitis optica antibodies	Aquaporin, NMO antibodies	Yellow	
Neuronal Antibody Screen	Hu (neuronal nuclear) and Yo (Purkinje) antibodies	Yellow	
Neutrophil alkaline phosphatase - see BCR/ABL	NAP/LAP		No longer offered - see BCR/ABL.
Neutrophil oxidative burst measurement	Nitro blue tetrazolium, NBT		Refer patient to local hospital laboratory.
NH3	Ammonia		Refer patient to local hospital laboratory.
Niacin			Not available in NZ.
Nickel - Urine	Ni	Urine - random collection	Collect at end of working shift - 20mL preferable.

Test Name	Alternative Name	Specimen	Special Requirements
Nicotine	Cotinine, nicotine metabolites	Urine - random collection	Prefer 20 mL (paediatric 1 mL)
Nitrite - Urine		Urine - random collection	
Nits - Refer to Lice			
NMDA Receptor Antibodies	Anti-NMDA receptor Abs, NMDAR-antibodies, Anti-Glutamate Receptor Abs	Yellow	
NMO Antibodies	Aquaporin, Neuromyelitis optica antibodies	Yellow	
Noradrenaline - Blood	Catecholamines - blood		Refer patient to local hospital laboratory.
Noradrenaline -Urine	Urine catecholamines, adrenaline, dopamine, metanephrines	Urine - 24hr Urine bottle (acid or plain) Child: random Urine or 6hr collection	Medication history must be noted on request form. If acid bottles being used, warn patient. Note start time and finish time and dates.
Normetanephrines - Blood	Metanephrine - plasma	Lavender	Take dedicated tube.
Normetanephrines-Urine	Urine catecholamines, adrenaline, dopamine, metanephrines	Urine - 24hr Urine bottle (acid or plain) Child: random Urine or 6hr collection	Medication history must be noted on request form. If acid bottles being used, warn patient. Note start time and finish time and dates.
Norovirus PCR	Norwalk virus PCR, small round virus, SRSV's	Faeces	Formed specimens not tested. Multiplex PCR detecting Norovirus, Astrovirus, Sapovirus, Rotavirus, Adenovirus.
Nortriptyline / Norpress		Red	Collect pre-dose/18hrs post dose (just prior to patient taking next dose). Note time and date of last dose on form.
Norwalk virus - see Norovirus PCR			
N-telopeptide - No longer available			
Nuelin	Theophylline, Aminophylline, Theo-Dur	Yellow	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Occult Blood see Faecal Occult Blood			
Oestradiol	Estradiol, Estrogen, E2, 17β-Oestradiol	Yellow	
Oestrone-3-glucuronide		Urine - early morning	
OH-Proline - discontinued at CHL			
OH-proline / creatinine ratio	OH-proline:Crn ratio	Urine - special procedure	12hr overnight fast, empty bladder. Drink 250mL distilled water then collect next urine 30-60 minutes later.
Olanzapine		Red	Collect pre-dose.
ONCO		Yellow and Grey	Includes: ELE, CRN, GLU, UA, CA, ALB, BIL, ALP, ALT, GGT
Opiates		Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Organic acids	Glycine, Orotic acid	Urine - random collection on ice (preferred)	Deliver to lab on ice (preferred).
Organophosphates	Acetylcholinesterase, cholinesterase	Lavender	Take dedicated tube.
Orotic acid - see Organic acids			
Osmolality - Blood	Osmolality blood, Osm, Osmol	Yellow	
Osmolality - Urine	Urine osmolality	Urine - random or 24hr plain collection as requested	
Osmotic fragility			Refer patient to local hospital laboratory. By appointment ONLY. Contact Haematology at CHL.
Ostase	Bone alkaline phosphatase	Yellow	The BALP test is available by prior arrangement ONLY. See CHL web page for details.
Osteocalcin		Yellow	For research purposes ONLY. Up to 4 months for results.
Ova/parasites See faecal parasites			
Ovarian Antibody	Anti-ovarian Ab's	Yellow	
Ovulation Profile			Contact CHL. Special kit required.
Oxalate - Urine	Urine Oxalate	Urine - 24hr collection (acid)	Note start time and finish time and dates. Warn patient about acid in bottles. Children: Random urine samples may be used; collect into a plain container and transport to the laboratory without delay. Laboratory staff to acidify at arrival in lab (50uL HCL/10mL urine).
Oxypurinol		Red	
P1NP	Procollagen-1-N-terminal propeptide	Yellow	
P3NP	Aminoterminal pro-peptide, Type 3 procollagen	Yellow	Collect at centrifuging sites ONLY (before 4pm). Must be centrifuged within 2hrs of collection.
PA quinine / quinidine	Platelet antibody, HPA1a antibodies		Refer patient to local hospital laboratory.
Pancreatic amylase		Yellow	
Pancreatic elastase - see Faecal elastase			
Pancreatic lipase	Lipase	Yellow	
Papillomavirus - swab - refer to HPV Viral swab			
Papillomavirus (Surepath)		Surepath Vial	

Test Name	Alternative Name	Specimen	Special Requirements
PAPP-A and β HCG	Maternal Serum Screen, Triple test	Yellow	Patients must present with a Combined/Maternal Serum Screening Lab form. This form must always be given a separate request number and a dedicated SST collected. Ensure all collection details are recorded on the form: Collection date and time, Collection centre code (Location), Collector's name. If it is outside the recommended timeframe for collection the referrer must be contacted. Centrifuging sites: centrifuge. Non-centrifuging sites: deliver to the laboratory within 3hrs of collection.
Paracetamol	Acetaminophen	Yellow Urgent	URGENT. For overdose, collect 4hrs post ingestion (include time of ingestion).
Paraprotein	SPE, EPP, serum protein electrophoresis	Yellow	
Parasites / Ova		Faeces	
Parathyroid hormone	PTH, intact PTH	Lavender	Take dedicated tube. Deliver to laboratory the same day.
Parathyroid Hormone Related Peptide	PTH-RP		Special procedure. Do not collect. Send patient to hospital laboratory.
Parietal Cell Antibodies	PCA	Yellow	Part of AUT panel.
Paroxetine		Yellow	Take specimen 18hrs post dose. Note dosage, date and time of last dose as well as collection time and date.
Paroxysmal nocturnal haemoglobinuria	PNH screen	2x Lavender	Monday to Thursday ONLY. Do not collect before a public holiday. PNH screen performed unless investigating HEMPAS (contact CHL for more advice). Do not refrigerate.
Parvovirus B19 antibodies/serology	Anti Parvovirus, slap-cheek virus, Parvo IgG or IgM	Yellow	Onset date of illness desirable.
Parvovirus B19 PCR		Red on ice	Take dedicated tube.
Paternity DNA			Appointment required. Refer to Patient Services Procedures Manual.
Paul Bunnell - refer to EBV serology	IM Screen, PB	Yellow	
Pb - Blood	Lead - Blood	Dark Blue	Take dedicated tube.
Pb - Urine	Lead - Urine	Urine - 24hr collection, random urine OK for occupational testing but acid washed preferred (contact Biochemistry)	
PBG - see Porphyrins - Urine			
PCOS	Polycystic ovary screen	Yellow	Includes: testosterone, FAI and SHBG (CHL) and FSH and LH.
PCP - refer to Pneumocystis			
PCR - Refer to specific expanded test name			
Pemphigoid and Pemphigus antibodies	Pemphigus antibodies, Skin Autoantibodies, anti-desmoglein, anti-skin basement antibodies, anti-epithelial basement abs	Yellow	
Perchloroethylene	Trichloroethylene	Urine - random collection	Collect just after exposure.
Perhexiline	Pexial	Red	Collect pre-dose, 6-12hrs post dose (just prior to patient taking next dose). Note time and date of last dose on form.
Pertussis PCR - see B. Pertussis PCR			
Pertussis Serology	Whooping cough, Bordetella pertussis	Yellow	For clinical use ONLY - NOT FOR IMMUNITY TESTING. Date of onset of illness desirable.
PET Screen - Bloods (+/- Urine)	Pre-eclampsia	Yellow and Lavender and Urine - random collection	
Pexial - see Perhexiline			
PFA	Platelet Function Assay	2x Blue	Fill tubes to line. Use 2.7mL blue tube wherever possible. Sample should be delivered to Specimen reception ASAP (within 2 hours so it gets to CHL within 4 hours). Out of town - send patient to local hospital laboratory. Do not refrigerate, do NOT spin.
pH - faeces - Refer to Faecal pH			
pH - Urine		Urine - random collection	
Phaeochromocytoma - Gene Test	EGLN1, FH, KIF1B, MAX, MEN1, NF1, RET, SDHA, SDHAF2, SDHB, SDHB, SDHC, SDHD, TMEM127, VHL genes analysed.	Lavender	Take dedicated tube, Referral form should outline clinical details and indication for testing.
Phenobarbitone	Mysoline, Primidone	Yellow	Collectors: Take a dedicated tube. Collect pre-dose (just prior to patient taking next dose). Record date and time of last dose on form.
Phenol - Urine		Urine - random collection	
Phenotyping (Blood Group)	Blood group genotype	Pink	Label with full name and DOB.
Phenotyping (Cholinesterase)	Dibucane and fluoride inhibition	Lavender	Take dedicated tube.
Phenylalanine - see Amino Acids - Blood			
Phenytoin - FREE		Yellow	Trough level (pre-dose) recommended. Note date and time of last dose.
Phenytoin - TOTAL	Dilantin	Red	Trough level (pre-dose) recommended. Note date and time of last dose.
Phosphatase (acid or prostatic) - discontinued			
Phosphatase (alkaline)	Alk phos, Alkaline phosphatase	Yellow	
Phospate - Blood	PO4	Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
Phosphate - Urine		Urine - 24hr collection (acid)	Note start time and finish time and dates. Warn patient about acid in bottles.
Physiological Coagulation Inhibitors	Thrombosis screen, Thrombophilia screen	2x Blue	Fill tubes to line.
Phytanic acid	Refsums	Lavender	
Pigments - Blood	Blood pigments, Haemoglobin pigments - blood, serum	Yellow	Send to lab within 2hrs.
Pinworm	Cellotape prep, Enterobius	Cellotape on slide or folded in Urine pottle	Contact microbiology for collection instructions.
PJP - refer to Pneumocystis			
PLA-1 - see Platelet antibodies			
PLA2R	Anti-PLA2R, Anti-phospholipase A2 Receptor	Yellow	
Plasma Viscosity		Lavender	Take dedicated tube.
Platelet Aggregation			Refer patient to local hospital laboratory. By appointment ONLY. Contact Haematology at CHL.
Platelet antibodies	PLA-1		Refer patient to local hospital laboratory.
Platelet Function Assay	PFA	2x Blue	Fill tubes to line. Use 2.7mL blue tube wherever possible. Sample should be delivered to Specimen reception ASAP (within 2 hours so it gets to CHL within 4 hours). Out of town - send patient to local hospital laboratory. Do not refrigerate, do not spin.
Platelets		Lavender	Part of CBC.
PMP22 Duplication / Deletion Analysis	Charot-Marie-Tooth Disease	Lavender	Collect a dedicated tube. Keep at ambient temperature. Do not collect after 2pm on Fridays or on the weekend.
Pneumococcal Ab's	Pneumovax 23, polysaccharide antibody	Yellow	Collect pre vaccine and post vaccine (2-3 weeks) or a one off sample (please specify). Up to 4 weeks for results.
Pneumocystis	Pnemocystis jirovecii, pneumocystis carinii, PCP, PJP	Sputum, bronchial washings/lavage, lung biopsy	Induced sputum (by physiotherapist or MO) or bronchial washing preferred, routine sputum is less sensitive. Urgent out of hours testing only available with microbiologist consultation.
Pneumovax - see Pneumococcal Ab's			
PNH Screen	Ham's test	2x Lavender	Monday to Thursday ONLY. Do not collect before a public holiday. PNH screen performed unless investigating HEMPAS (contact CHL for more advice). Do not refrigerate.
PO4 - see Phosphate (blood or urine)			
Poliovirus	Polio serology	Yellow	Patient MUST pay (except in cases for diagnosis of flaccid paralysis and subsequent notification to the MOH). NOTE: In most cases this test is NOT recommended. Contact Immunology at CSCL for advice (03 3590966).
Poly Wear	Polyethylene debris	Aspirate	
Polycose challenge	50g GTT	Grey	Collect Grey top 1hr after 50g load - screening for gestational diabetes in pregnancy.
Polycystic ovary	PCO, PCOS	Yellow	Includes: testosterone, FAI and SHBG (CHL) and FSH and LH.
Polyethylene debris - Refer to Poly Wear			
Polysaccharide antibody - see Pneumococcal Ab's			
PONC	CHCH Hospital Profile/ONCO		Refer patient to local hospital laboratory.
Porphobilinogen - see Porphyrins - Urine			
Porphyrin - Faeces	Coproporphyrin	Faeces - protect from light	Specimen must be received within 24hrs of collection. Must be light protected. Advise patient to refrigerate if stored overnight.
Porphyrin Screen	Blood, urine, faeces porphyrins	Green (no gel) and Urine - random collection and Faeces	All samples must be protected from light.
Porphyrins - Blood	Protoporphyrin	Green (no gel) Protect from light	Protect from light. Take dedicated sample.
Porphyrins - Urine	Porphyrin screen urine Urine Porphyrins, Porphobilinogen	Urine - random collection Protect from light	Protect from light.
Posaconazole		Red or Green (no gel)	DO NOT USE GEL TUBES. State dose, time of last dose and dose interval on form.
Post Vasectomy - Refer to Semen-Post Vasectomy			
Potassium - plasma	K+ - plasma	Green	Centrifuge and deliver to the laboratory within 4hrs of collection. Do not refrigerate. ONLY collect if clinician specifically requests plasma potassium.
Potassium - serum	K+ - serum	Yellow	Centrifuge or deliver to laboratory within 4hrs of collection Do not refrigerate. If heparin (green) is taken for potassium, code for potassium is KP (see below).
Potassium - urine		Urine - random or 24hr collection (plain) as requested	
PR3 Ab, PR3-ANCA	Proteinase 3 Ab	Yellow	
PRA	Renin	Lavender - Take dedicated tube	Collect and deliver to lab within 3 hours at room temperature.
Pradaxa - refer to Dabigatran			
Prader Willi Syndrome		1x Green (no gel) and 1x Lavender	Take dedicated tubes. Do not refrigerate. Ensure tube has not expired.
Prealbumin		Yellow	Avoid haemolysis.
Precipitans (Bird)	Bird fancier lung, Avian antibodies	Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
Pregandiol		Urine - early morning	
Pregnancy test - Blood	HCG, β -HCG	Yellow	Note date of last menstrual period. Please note if HCG is requested on a male then refer to Tumour Marker HCG (TMM).
Pregnancy test -Urine			Test not available.
Primidone	Mysoline, Phenobarbitone	Yellow	Collectors: Take a dedicated tube. Collect pre-dose (just prior to patient taking next dose). Record date and time of last dose on form.
Pro BNP	Brain natriuretic peptide, BNP, N-BNP	Lavender on ice - Take dedicated tube	Place the sample on ice and send to the laboratory in a red bag for delivery the same day. Room temperature samples must reach the laboratory within 3 hours.
Procollagen-1-N-terminal propeptide	P1NP	Yellow	
Procollagen-3-N-terminal propeptide	P3NP, Procollagen	Yellow	Collect at centrifuging sites ONLY (before 4pm). Must be centrifuged within 2hrs of collection.
Progesterone	P4	Yellow	Note LMP.
Progesterone - 17-OH		Yellow	Note pre and post dose on CHL sticker if this test is done with a synacthen test.
Progesterone - Salivary		Saliva	Sample before cleaning teeth - no lipstick. Collect sample 24hrs post dose.
Prolactin		Yellow	Note LMP.
Prolactin - Free	Macroprolactin	Yellow	
Prolactin (those referred to CHL only)		Yellow	
Prolonged GTT	Prolonged GTT beyond 2 hours post load	3 or more Grey	Note collection times and write times on tubes.
Prostate Specific Antigen	PSA, Total PSA	Yellow	Do not collect post prostatic massage.
Prostatic acid phosphatase - discontinued			
Protein - Blood	Total protein	Yellow	Part of LFT's.
Protein - Urine		Urine - 24hr plain collection or random	
Protein C		Blue	Take dedicated tube. Fill to line. Patient must not be on warfarin.
Protein Creatinine Ratio (PCR) - Urine	Urine Protein Creatinine Ratio	Urine - 24hr plain collection or random	
Protein electrophoresis	SPE, serum protein electrophoresis, protein profile	Yellow	
Protein profile - see Protein electrophoresis			
Protein S		Blue	Take dedicated tube. Fill to line. Deliver to laboratory ASAP. Patient must not be on warfarin.
Proteinase 3 Ab	Proteinase 3 Ab	Yellow	
Prothiaden	Dothiepin, Dopress	Red	Collect pre-dose - 18hrs post dose (trough level just prior to patient taking next dose). Note time and date of last dose on form.
Prothrombin DNA / 20210 gene mutation	Factor V Leiden, Thrombophilia gene screen	Lavender	
Prothrombin time	INR	Blue	Fill tube to line.
Prothrombotic screen	Thrombosis screen, Thrombophilia screen, physiological coagulation inhibitors	2x Blue	Fill tubes to line.
Protoporphyrins - see Porphyrins - Blood			
Prozac	Fluoxetine	Green - no gel	
PSA	Prostate specific antigen	Yellow	Do not collect post prostatic massage.
Pseudocholinesterase - see Cholinesterase			
Psittacosis antibody	Chlamydia psitticii	Yellow	Also requires a second specimen collected 2 weeks later . Onset date of illness desirable.
PTH	Parathyroid hormone, Intact PTH	Lavender	Take dedicated tube. Deliver to laboratory the same day.
PTH related peptide	PTHrP		Special tube required - refer patient to Endolab, CHL.
PTHrP - see PTH related peptide			
Pubic lice - Refer to Lice			
PV - Refer to Semen-Post Vasectomy			
Pyridoxine/ Vitamin B6	Pyridoxal-5-phosphate	Lavender	Protect sample from light.
Pyruvate			Refer patient to Hospital laboratory.
Pyruvate Kinase		Lavender	Take dedicated tube.
Q Fever	Coxiella burnetti	Yellow	Onset date of illness desirable. Advise if testing pre-vaccination.
Quality Control Scope - Refer to Endoscopes			
Quantiferon-TB	IGRA, TB-Quantiferon	Set of 4 x special collection tubes (must be filled to line)	Collect Monday to Thursday ONLY. DO NOT collect the day before public holiday). Special protocol. Keep tubes at room temperature.

Test Name	Alternative Name	Specimen	Special Requirements
Quinidine		Yellow	
Rabies serology		Yellow	Patient must pay for test.
RAST	EAST, Specific IgE. Numerous allergens available, refer to list available on CHL test manager.	Yellow	PLEASE NOTE: Specific EAST/RAST tests must be stated. Minimum volume for paediatric samples: 2mL Microsample Blood. Volume requirements will vary with the number of specific IgE assays requested. Absolute minimum volumes for paediatric samples are 500uL blood for one allergen and 100uL for each additional allergen.
RCM - See Red Cell Morphology			
Rectal swab - Faecal pathogens		Bacterial swab	
Rectal swab - STD check		Hologic Aptima Multitest Swab	
Red cell cholinesterase - see Cholinesterase			
Red cell Folate / RBC Folate	TEST NO LONGER AVAILABLE - Serum folate tested instead (add panels BFO and RCF if red cell folate is requested)		
Red cell Magnesium	RBC Mg	Green (no gel)	
Red Cell Morphology	Dysmorphic red cells, RCM, Urine red cell Morphology		Test not available.
Red cell Thiamine	Thiamine pyrophosphate, Transketolase, Vitamin B1	Green (no gel)	Out of town: send patient's to hospital laboratory. Deliver to the laboratory within 3hrs.
Reducing substances - Faeces - Refer to Faecal Reducing Substances			
Reducing substances - Urine		Urine - random collection on ice	Transport to lab on ice .
Refsums - see Phytanic acid			
Remicade - see Infliximab			
Renal Function	RFT (Creatinine, Electrolytes)	Yellow	Includes: creatinine, urea, electrolytes. Centrifuge or deliver to the lab within 4hrs of collection. Do not refrigerate.
Renal Stone	Calculi	Stone	
Renin	PRA	Lavender - Take dedicated tube	Collect and deliver to lab within 3 hours at room temperature.
RENL	CHCH Hospital Profile	Yellow and Grey	Includes: ELE, CL, CRN, GLU, UA, ALB, BIL, ALP, AST.
Reproductive Hormones	Fertility hormones	Yellow	Includes: FSH, LH and prolactin.
Respiratory culture - see sputum			
Respiratory virus PCR	Respiratory Virus PCR, Influenza , H1N1, Respiratory Multiplex, RSV, Adenovirus, Coronavirus	Nasopharyngeal swab or aspirate in viral transport medium (VTM)	See CSSL website for instructions in taking nasopharyngeal swabs. If VTM (viral transport media) is unavailable, please phone Microbiology 03 359 0957 to discuss alternatives. For supplies of VTM swab kits (including paediatric), contact Canterbury Health Laboratories, ph 03 3640484.
Respiratory virus serology			No longer available. Must specify testing required. Contact Immunology or Microbiology.
Retics / reticulocytes	Reticulocytes	Lavender	
Reticulin antibodies	Coeliac disease Ab's	Yellow	Patient must be on a gluten containing diet for at least 6 weeks prior to testing.
Retinoblastoma Gene test	RB1	Lavender	Take dedicated tube. Referral form should outline clinical details and indication for testing.
Retinol	Vitamin A	Yellow protect from light	Must be light protected. Collect dedicated tube.
Rett Syndrome Gene Test	CDKL5, FOXP1, MECP2 and MEF2C genes analysed	Lavender	Take dedicated tube. Referral form should outline clinical details and indication for testing.
Reverse T3 - NOT AVAILABLE IN NEW ZEALAND			
RFT - refer to Renal Function Tests			
Rh Kell blood group antibody screen	Antarctic Medical	Pink	Label specimens with full name and DOB.
Rh phenotype / genotype		Pink	Label specimens with full name and DOB.
Rhesus antibody		Pink	Label specimens with full name and DOB.
Rheumatic fever		Yellow	Includes: CRP and Streptococcal serology (ASO and DNaseB).
Rheumatoid factor / RF	RF, Rose Waaler	Yellow	
Rheumatoid screen	Includes RFT, ANA and CRP	Yellow	
Riboflavin	Flavine adenine dinucleotide/FAD, vitamin B2	Lavender	Protect from light. Collect dedicated tube.
Rickettsiae		Yellow	Onset date of illness desirable including clinical history and travel details.
Rifinah	Isoniazid	Green	
Risperidone			Test not available.
Ritalin - Urine	Methylphenidate	Urine - random collection	Blood levels NOT available. Test must be specifically requested not as part of general drug screen.
Rivotril	Clonazepam	Red	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.

Test Name	Alternative Name	Specimen	Special Requirements
RLFT	CHCH Hospital Profile	Yellow	Includes: CA, PO4, ALB, BIL, ALP, AST, GGT.
RNP / Ribonuclear protein - see ENA			
Ro / La antibodies - see ENA	SSA / SSB		
Rochalimaea - see Cat Scratch Disease			
Rose Waaler - see Rheumatoid factor			
Ross River Serology		Yellow	Onset date of illness desirable.
Rotavirus		Faeces	Formed specimens not tested. Multiplex PCR detecting Norovirus, Astrovirus, Sapovirus, Rotavirus, Adenovirus.
RPR	Syphilis serology/VDRL/Wassermann Test, Reagin	Yellow	
RSV serology			Test not available.
Rubella IgG/Immunity	Rubella IgG, Rubella Immunity, Rubella Serology, Rubella Statu, German Measles	Yellow	
Rubella IgM/Infection	?Rubella infection, rash, ?German Measles	Yellow	Add both Rubella IgM and IgG in cases of suspected infection.
Rubella PCR		Nasopharyngeal in VTM	
Rubeola - see Measles serology			
Sabril			Test not available.
SACE	Angiotensin converting enzyme, ACE	Yellow	Collect at centrifuging sites only. Needs to be separated within 4 hours of collection.
Salazopyrin	Sulfasalazine	Red	Note dose, time of collection and last dose.
Salicylic acid / salicylate	Asprin	Yellow	
Salivary Cortisol		Saliva	12am (midnight) sample helpful for Cushing's diagnosis. Before teeth cleaning, no lipstick.
Salivary Progesterone		Saliva	Sample before cleaning teeth - no lipstick. Collect sample 24hrs post dose.
Salivary Testosterone		Saliva	Before teeth cleaning, no lipstick.
Salmonella antibodies			Test not available.
SARS-CoV-2	Coronavirus, Novel Coronavirus, CoVID-19	1 Nasopharyngeal swab in UTM (provided as a kit) AND 1 Oropharyngeal viral transport swab (green-top with foam insert)	CDHB MICROBIOLOGIST MUST BE CONSULTED PRIOR TO SPECIMEN COLLECTION (ph 03 3640640). Collected by GP or Public Health. Specimens are NOT collected at CSSL collection centres and patients should NOT be referred here.
SBR - see Neonatal bilirubin			
Scabies		Specialized skin scrapings	Appointment ONLY - contact call centre 03 359 0900. TESTING MUST BE APPROVED BY A CLINICAL MICROBIOLOGIST BEFORE A BOOKING CAN BE MADE.
Schilling's test			Refer patient to Hospital laboratory (Nuclear Medicine).
Schistosomes - Blood	Bilharzia	Yellow	NOTE: Takes at least 3 months post exposure to become positive.
Schistosomes - Faeces - see Bilharzia			
Schistosomes - Urine - see Bilharzia			
SCL-70 - see ENA			
Scope - Refer to Endoscopes			
Scrub Typhus serology		Yellow	
Sediment - Urine - Refer to Urine Sediment			
Selenium - Blood		Dark Blue	
Selenium - Urine		Urine - random collection	Collect post shift for occupational monitoring.
Semen-FERTILITY		Semen at 37°C	Collectors: Mark as URGENT. Keep at 37°C. Christchurch specimens must be delivered to 18 Logistics Drive within 1hr of collection (Mon-Fri 7.30am-4.00pm). Not weekends or Public Holidays. Notify Microbiology on arrival.
Semen-POST-VASECTOMY		Semen	If PV sample is a recollect due to a previous positive result, the second sample must be submitted as a fertility sample. If clinical details indicate "Vasectomy reversal" treat as URGENT fertility sample.
Sensitive CRP	usCRP, hsCRP	Yellow	Avoid haemolysis.
Sensitive TSH	TSH	Yellow	
Serotonin	5 hydroxytryptamine	Lavender	Minimum 3mL. Take dedicated tube.
Serotonin breakdown products/metabolites	5-hydroxy indole acetic acid, 5HIAA	24hr Urine bottle (acid or plain) or random collection (>5mL)	Medication history must be noted on request form. Note start time and finish times. Dietary restrictions.
Serum free light chains	SFLC / FLC, free light chains	Yellow	
Sex hormone binding globulin	SHBG	Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
SFLC - see Serum free light chains			
SGOT - see AST			
SGPT - see ALT			
SHBG	Sex hormone binding globulin	Yellow	
Shingles - see Varicella zoster			
Sickling test / sickle cell test		Lavender	Monday to Thursday ONLY. Do not collect before a public holiday.
Silica Clotting Time - see Lupus Anticoagulant			
Sirolimus		Lavender	Take dedicated tube. Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Sjogrens syndrome - see ENA			
Skeletal muscle antibodies - see Cardiac Autoantibodies			
Skin allergy test	Skin prick testing		Refer patient to local hospital laboratory.
Skin antibodies	Pemphigoid antibody, Pemphigus antibody	Yellow	
Skin scrapings		Skin Scraping	
Slap cheek virus	Parvovirus	Yellow	Onset date of illness desirable.
SLE screen	Lupus screen	Yellow	
Sm antibodies - see ENA			
Small round virus	Norwalk, SRSV's, Norovirus	Faeces	
Smooth Muscle Abs	ASMA	Yellow	Part of AUT panel.
Sodium - Blood	Na+	Yellow	Centrifuge or deliver to the lab within 4hrs of collection, do not refrigerate. Part of electrolytes.
Sodium - Urine		Urine - random or 24hr collection (plain) as requested	
Sodium Valproate	Epilim (Valproate), Na Valproate, Valproate	Yellow	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Soluble Liver antigens/antibodies	SLA	Yellow	
Soluble Transferrin receptors	STF Receptor, Transferrin receptors	Yellow	
Somatomedin-C	IGF-1/Insulin-like growth factor-1	Yellow	
Somatotrophin	Growth Hormone	Yellow	Preferable to be fasting and at rest for 1hr before collection.
SPE	Serum electrophoresis, EPP	Yellow	
Specific gravity - Urine - Refer to Urine Specific gravity			
Sperm antibodies (Direct) Male			Test not available.
Sperm antibodies (Indirect) Female			Test not available.
Spinocerebellar ataxia	Panel type 1,2,3,6,7. SCA 3.	4x Lavender	Forward all tubes directly to CHL who will refer to Auckland.
Split Bilirubin		Yellow	
Spore	Autoclave control, sterility check	Autoclave control vial	
Sporonox	Itraconazole	Red on ice	
Spot Iodine		Urine - random collection	
Sputum - culture	culture, C&S, M,C &S	Pottle	Rinse mouth with tap water, remove dentures if worn, produce deep cough.
Sputum Cytology	Dysplastic cells	3 x Sputum (see notes)	Need 3 early morning specimens collected over 3 consecutive days. Give patients 3 pots. Collect when first get up. Rinse mouth and gargle with tap water. Remove dentures if worn. Perform a deep cough. Collect directly into container.
Sputum TB	Mycobacteria, TB screen, AFB, AAFB, ZN stain, MAI, Tuberculosis	3x early morning sputum (deep/lower respiratory)	
SRSV's - see Small round virus			
SSA / SSB - see ENA			
STD - See Chlamydia and N.gono DNA/PCR			
Steatocrit	Faecal Fat	Faeces	Single specimen only required.
Sterility Check - Refer to Autoclave control or Endoscopes			
STR - see Soluble Transferrin receptors			
Streptococcal antibody	ASOT, DNaseB	Yellow	
Streptolysin O titre	ASO	Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
Striated muscle antibodies - see Cardiac Autoantibodies			
Strongyloides Serology	Parasite serology, strongyloides stercoralis	Red	
Styrene	Mandelic acid	Urine - random collection	Minimum 30mL to be collected at the end of working shift.
Sulphapyridine		Red	Note dose, time of collection and last dose.
Sulphasalazine		2x Yellow	Take dedicated tubes. Note dose, time of collection and time of dose.
Sulphonylureas	Tolbutamide	Yellow	
Surface markers - see Lymphocyte Markers			
Surface markers - see Lymphocyte Markers			
Synacthen			Refer patient to CHL
Syphilis PCR		Lesion (chancres) swab in VTM or CHL orange-top multi-collect tube	
Syphilis Serology	FTS antibodies, RPR serology, RPR, TPHA, Treponemal serology, VDRL	Yellow	
T Cell Receptor Gene Rearrangement	T Cell Receptor Gene Rearrangement Clonal Analysis TCR gene rearrangement	3x Lavender	Keep at room temperature.
T- cells		2x Lavender	Collect Monday to Thursday ONLY. Take dedicated tubes. Do not collect before a public holiday. Do not refrigerate.
T. gondii	Toxoplasma Abs	Yellow	Note if on any thyroid medication.
T3 - Free	Free Triiodothyronine	Yellow	Note if on any thyroid medication.
T3 - Total	Total Triiodothyronine	Yellow	Note if on any thyroid medication.
T3- Reverse - NOT AVAILABLE IN NEW ZEALAND			
T4 - Free	Free Thyroxine	Yellow	Note if on any thyroid medication.
T4 - Total	Total Thyroxine, Free thyroxine index, FTI	Yellow	Note if on any thyroid medication.
Tacrolimus	FK506	Lavender	Collect pre-dose. Note dose, time of dose and collection time.
Tambocor	Flecainide	Red	Take dedicated tube. Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Targocid	Teicoplanin		Test not available.
Tasmar	Tolcapane		Test not available.
Tau Transferrin	?CSF, β -transferrin	Nasal or ear secretions	
TB (stain/culture)	Mycobacteria, TB screen, AFB, AAFB, ZN stain, MAI, Tuberculosis, M.avium/intracellulare	Sputum, Urine, Tissue, Aspirates, FNA	Urine - 3x consecutive Early Morning Urine; Sputum - 3x consecutive Early morning (deep/lower resp). Specimens in fixative NOT suitable for culture.
TB PCR	MAI PCR, M.tuberculosis PCR, Mycobacterium PCR, M.avium PCR	Sputum, Urine, Tissue, Aspirates, FNA	
TB-Quantiferon - refer to Quantiferon TB			
TCC Cells	Tumor cancer cells	Urine - random collection	
Tegretol	Carbamazepine	Yellow	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.
Teicoplanin - see Targocid			
Telopeptide (C-terminal)	CTX	Lavender	Fasting specimen preferred. Collect between 8-10am.
Telopeptide (N-terminal) - No longer available			
Temgesic	Buprenorphine	Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Testicular tumour markers		Yellow	Includes: LDH, β HCG, α FP.
Testosterone - Free		Yellow	
Testosterone (<18 year Male and all Females)TES (CHL)		Yellow	
Testosterone (>18 years, Male)		Yellow	NOTE: Serum testosterone levels highest in early morning collects (7am - 9am)
Testosterone and SHBG (COMMERCIAL)		Yellow	NOTE: Serum testosterone levels highest in early morning collects (7am - 9am)
Tetanus Antibody		Yellow	Takes up to 1 month for results.
TFT	Thyroid function	Yellow	Note if on any thyroid medication.
TG	May be - Triglycerides or Transglutaminase	Yellow	
TGL - see TTG			
Thalassemia screen	Haemoglobin EPP, Haemoglobinopathy screen	2x Lavender	Monday to Thursday ONLY. Do not collect before a public holiday.
THC	Cannabinoids, THC	Urine - random collection	Collect dedicated sample. Need 20mL minimum.
Theophylline	Aminophylline, Theo-Dur	Yellow	Collect pre-dose (just prior to patient taking next dose). Note time and date of last dose on form.

Test Name	Alternative Name	Specimen	Special Requirements
Thiamine / Thiamine pyrophosphate	Transketolase, Vitamin B1	Green (no gel)	Out of town: send patient to hospital laboratory. Deliver to the laboratory within 3hrs.
Thiocyanate - Blood		Yellow	
Thiocyanate - Urine		Urine - random collection	
Thiopurine methyl transferase	TPMT, Thiopurine Methyltransferase	2x Lavender	Take dedicated tubes.
Thioridazine	Melliril		Test not available.
Thrombin Clotting Time		Blue	Fill tube to line.
Thrombophilia gene test	Prothrombin 20210 gene mutation, Factor V Leiden	Lavender	
Thrombophilia screen	Thrombosis screen, Physiological coagulation inhibitors	2x Blue	Fill tubes to line.
Thrombosis screen - see Thrombophilia screen			
Thyroglobulin	Do not confuse with Thyroglobulin antibodies	Yellow	Avoid haemolysis.
Thyroglobulin Antibody	Anti-tg	Yellow	Only available at CHL in conjunction with thyroglobulin testing. Anti-tg performed if required by CHL.
Thyroid antibodies	Thyroperoxidase antibodies, Anti TPO, anti microsomal antibodies	Yellow	
Thyroid Binding Globulin	TBG	Yellow	Note if on any thyroid medication. Primary thyroid function screen (comprises T4 and TBG [thyroid binding globulin], thus allowing calculation of the FTI). Done at Endolab.
Thyroid function	TFT	Yellow	Note if on any thyroid medication.
Thyroid stimulating hormone - see TSH			
Thyroid Stimulating Immunoglobulin/antibodies	Thyroid Stimulating Antibody, TSH receptor stimulating antibodies	Yellow	
Thyroxine - see T4			
TIBC	Part of iron studies. Test replaced by transferrin	Yellow	
Tissue - Culture	M,C and S	Pottle with or without saline	Specimens in fixative NOT suitable.
Tissue Auto Antibody Screen	Autoantibody screen	Yellow	Includes: mitochondrial, parietal and smooth muscle antibodies.
Tissue Bank Quaternary Screening		1 x 10mL Yellow, 1 x 10mL Red and 1 x Pink (if no pink tubes available, take 2 x Lavender)	
Tissue TB - Refer to TB			
Tissue Transglutaminase Antibodies	tTG IgA, EMA, anti-TG	Yellow	Patient must be on gluten containing diet for at least 6 weeks prior to testing.
Tissue Type - Class I	HLA-A, HLA-B, HLA-C		Refer patient to local hospital laboratory.
Tissue Type - Class II	HLA-DR		Refer patient to local hospital laboratory.
Tissue Typing for organ or bone marrow transplant			Refer patient to local hospital laboratory.
TNI	Troponin I, hs-TNI	Yellow	Deliver to laboratory ASAP. URGENT.
TNI -Ashburton	Troponin I, hs-TNI	Green	Deliver to the Ashburton hospital lab ASAP. URGENT.
TNT	Troponin T, HS-TNT	Yellow	Not routinely available. Contact Biochemistry.
Tobramycin	Nebcin	Green	Take dedicated tube. Record collection time, dose, date and time of last dose on request form.
Tocopherol	Vitamin E	Yellow	Protect sample from light.
Tolbutamide	Sulphonylurea	Yellow	
Tolcapane	Tasmar		Not routinely available.
Toluene - Urine	Hippuric Acid	Urine - random collection	Collect immediately after exposure to toluene.
Tolvon	Mianserin	Red	Collect 18hrs post-dose. Take dedicated tubes. Record collection time, dose, date and time of last dose on request form.
Topiramate		Red	
TORCH		Yellow	
Total Bilirubin		Yellow	Part of Liver function tests.
Total CO2	Bicarbonate, HCO3		Refer patient to local hospital laboratory.
Total haemolytic complement	CH50	Yellow	Send to the lab same day.
Total Protein		Yellow	Part of LFT's.
Total Testosterone - refer to Testosterone			
Toxaemia Screen		Yellow and Lavender and Urine - random collection	
Toxocara Serology		Yellow	Onset date of illness desired.
Toxoplasma DNA/PCR			Contact Virology at CHL before collecting sample. For special circumstances ONLY. Serology should be performed initially.
Toxoplasma IgM/IgG	Toxo, T. Gondii	Yellow	
TP - see Total Protein			
TPMT	Thiopurine methyl transferase	2x Lavender	Take dedicated tubes.
TPP	Thiamine pyrophosphate, Vitamin B1	Green (no gel)	Out of town: send patient's to hospital laboratory. Deliver to the laboratory within 3hrs
TPPA / TPHA	Syphilis serology	Yellow	

Test Name	Alternative Name	Specimen	Special Requirements
Trachoma - see Chlamydia			
Transaminases - see AST and ALT			
Transferrin		Yellow	
Transferrin Gene mutation		Lavender	Take dedicated tube.
Transferrin receptors - see Soluble transferrin receptors			
Transglutaminase - see Tissue transglutaminase Ab's			
Transketolase - see Thiamine/Vit B1			
Transplant Tray		10mL Red	Deliver to the laboratory promptly. Do not refrigerate. Collect Monday to Thursday ONLY. Do not collect before a public holiday.
Treponema	Syphilis	Yellow	
Trichinella Serology		Yellow	
Trichloroacetic acid	Perchloroethylene	Urine - random collection	Collect after exposure.
Trichomonas vaginalis		Bacterial Vaginal swab	
Trichomonas vaginalis - PCR		FCU or swab in VTM or CHL orange-top multi-collect tube	
Tricyclic Screen / antidepressant			Must determine specifically what drug measurement is required.
Triglycerides		Yellow	Confirm if patient is fasting or not and record this on form (Fast Y/N). Includes: Cholesterol (Total), HDL, LDL, Triglyceride.
Triiodothyronine - see T3			
Trimethylamine		Urine	See CHL website for special dietary requirements prior to test.
Trimipramine		10mL Red	Collect pre-dose (trough level just prior to patient taking next dose) 18hrs post dose. Note time and date of last dose on form.
Triple Test	Maternal serum screening, PAPP-A and β-HCG	Yellow	Patients must present with a Combined/Maternal Serum Screening Lab form. This form must always be given a separate request number and a dedicated SST collected. Ensure all collection details are recorded on the form: Collection date and time, Collection centre code (Location), Collector's name. If it is outside the recommended timeframe for collection the referrer must be contacted. Centrifuging sites: centrifuge. Non-centrifuging sites: deliver to the laboratory within 3hrs of collection.
Troponin I	TNI, hs-TNI	Yellow	Deliver to laboratory ASAP. URGENT.
Troponin I - Ashburton	Troponin I, hs-TNI	Green	Deliver to the Ashburton hospital lab ASAP - URGENT.
Troponin T	TNT, HS-TNT	Yellow	Not routinely available. Contact Biochemistry
Trypanosomiasis/Chagas serology		Yellow	
Trypsin - faeces - test discontinued			
Tryptanol	Laroxyl, Amitriptyline	Red	Collect 18hrs post dose. Note dose, time of dose and time of collection.
Tryptase		Yellow	Collect 1-2hrs post anaphylactic reaction.
Tryptophan		Lavender	Not routinely available. ONLY for studies. Contact Biochemistry
TSH	Thyroid Stimulating Hormone	Yellow	Note if on any thyroid medication.
TSH receptor Ab's/ Immunoglobulin	Thyroid Stimulating Antibody, TSH receptor stimulating antibodies	Yellow	
TTG - see Tissue transglutaminase			
Tuberculosis - Refer to TB			
Tumor cancer cells	Tumor cancer cells	Urine - random collection	
Tumour marker HCG	HCG tumor marker	Yellow	
Type 3 procollagen	Aminoterminal pro-peptide, Type 3 procollagen	Yellow	Collect at centrifuging sites ONLY (before 4pm). Must be centrifuged within 2hrs of collection.
Typhoid Serology/Antibodies			NOT AVAILABLE - collect faeces or blood cultures as appropriate.
Tyrosine	Amino Acids, Glycine, Alanine, Phenylalanine	Yellow on ice	Deliver to the lab within 2hrs of collection on ice.
UA - Blood	Uric acid, Urate	Yellow	
UA - Urine	Uric acid, Urate	Urine - random or 24hr collection (plain)	
UALB	ACR/MALB Albumin/creatinine ratio, microalbumin	Urine - random or 24hr collection (plain)	
Ultracentrifugation - Lipids/lipoprotein		2x Lavender Full tubes	Patient must be fasting >14 hours.
Ultrasensitive CRP	usCRP, hsCRP	Yellow	Avoid haemolysis.
Unconjugated bilirubin	Total and direct bilirubin	Yellow	Protect from light.
Unconjugated bilirubin - neonatal	Direct bilirubin - age < 4 weeks old, SBR	Yellow - heel prick (plain microcollect) Out of town: Send to local hospital lab	Protect from light. Treat paediatric specimens as URGENT. Out of town: send patient to hospital laboratory.

Test Name	Alternative Name	Specimen	Special Requirements
Urate - Blood	Uric acid, Urate	Yellow	
Urate - Urine	Uric acid, Urate	Urine - random or 24hr collection (plain)	
Urea - Blood		Yellow	
Urea - Urine		Urine - random or 24hr collection (plain)	
Ureaplasma urealyticum - Refer to Mycoplasma / Ureaplasma			
Uric acid - see UA (blood or urine)			
Urine Bilirubin / bile pigments		Urine - fresh random collection	Prefer early morning Urine. Protect from light.
Urine Blood	Red cells	Urine - random collection	
Urine Calcium		Urine - random or 24hr collection (acid)	Warn patient's about acid in bottles. 24hr Urine - note start time and finish time and dates.
Urine Casts		Urine - fresh random collection	
Urine Cells		Urine - random collection	
Urine Copper / Cu	Urine Cu	24hr Urine bottle (plain) Acid washed bottles preferred	Acid washed bottles preferred. Contact Biochemistry. Note start time and finish time and dates.
Urine cortisol	17 ketosteroids, 17-OH-steroid	Urine - random or 24hr collection (plain)	
Urine Creatinine/Albumin ration	ACR/MALB Albumin/creatinine ratio, microalbumin	Urine - random or 24hr collection (plain)	
Urine Culture	M,C and S, Culture, MSU	Fresh voided Urine	Urine culture includes microscopy for casts, red cells and white cells, and dipstick, and antibiotic susceptibilities where appropriate.
Urine Cytology	Dysplastic Cells	3x Urine (see notes)	Need 3 mid-morning Urines collected over 3 consecutive days. First urine of the day NOT accepted. Give patient 3 pots. Inform them that we need a full pot.
Urine Dipstick and/or Cells		Urine - fresh random collection	
Urine Drug Screen		Urine - random collection	Collect dedicated sample. Need 20ml minimum
Urine Dysplastic Cells - See Urine Cytology			
Urine Electrolytes	Urine Potassium, Urine Sodium	Urine - random or 24hr collection (plain) as requested	
Urine Electrophoresis	Bence Jones protein, BJP	Urine - random collection	
Urine Haemosiderin		Urine - early morning (preferred) or random collection	
Urine Histamine		Urine - 24hr collection (acid)	Medication history must be noted on request form. Patient should be on a histamine-free diet for 24hrs prior to and also for 24hrs during Urine collection. For example cheese, yoghurt, sauerkraut and wine. Canned fish should also be avoided. Note start and finish times. Warn patient about acid in the bottles.
Urine Iodine	Urine Iodide	Urine - random or 24hr collection (plain)	
Urine Ketones		Urine - random collection	Done in Microbiology - dipstick.
Urine Lead	Urine Pb	Urine - 24hr collection (acid), random acceptable for occupational monitoring	
Urine LH			Not available.
Urine Magnesium		Urine - 24hr collection (acid)	Note start time and finish time and dates. Warn patient about acid in bottles.
Urine Metabolic profile	Urine amino acids. Includes organic acids	Urine - random collection on ice (preferred)	Deliver to lab on ice (preferred).
Urine Methylphenidate	Ritalin, methylphenidate	Urine - random collection	Blood levels NOT available. Test must be specifically requested not as part of general drug screen.
Urine Microscopy and/or Dipstick	Cell count only, sediment only, Casts only	Urine - random collection	
Urine Nitrite		Urine - random collection	
Urine Osmolality	Osmolality, OSM	Urine - random or 24hr collection (plain) as requested	
Urine pH		Urine - random collection	
Urine Phosphate	PO4, phosphate - urine	Urine - 24hr collection (acid)	Note start time and finish time and dates. Warn patient about acid in bottles.
Urine Pregnancy test			Not available.
Urine Protein (qualitative)		Urine - random collection	
Urine Protein (quantitative)		Urine - random or 24hr collection (plain)	
Urine Protein/Creatinine Ratio		Urine - random or 24hr collection (plain)	
Urine Red Cell Morphology - See Red Cell Morphology			Test not available.
Urine Ritalin	Ritalin, methylphenidate	Urine - random collection	Blood levels NOT available. Test must be specifically requested not as part of general drug screen.

Test Name	Alternative Name	Specimen	Special Requirements
Urine Sediment		Urine - random collection	
Urine Specific Gravity		Urine - random collection	
Urine TB - Refer to TB			
Urine Urate / UA / Uric acid	Urine Uric Acid	Urine - random or 24hr collection (plain)	
Urine Urea		Urine - random or 24hr collection (plain)	
Urine Volume – Timed		Urine - timed collection	
Urobilinogen	Urine bile pigments	Urine - fresh random collection	Protect from light.
US-CRP	hsCRP	Yellow	Avoid haemolysis.
V617F	JAK 2 PCR, Janus Kinase	Lavender	Take dedicated tube. Collect Monday to Thursday ONLY. Do not collect before a public holiday.
Valium	Diazepam	Red	
Valproate / Valproic Acid	Epilim (Valproate), Na Valproate, Valproate	Yellow	Collect pre-dose. Note dose, time of collection and last dose.
Vanadium		Urine - random collection	Industrial samples - collect at end of 4th day of shift.
Vancomycin		Yellow	Take dedicated tube. Treat as URGENT. Collect pre-dose (just prior to patient taking next dose) or post dose as requested by the GP. Note time and date of last dose on form.
Vanillylmandelic acid	VMA	Urine -24hr Urine bottle (acid or plain) Child - random Urine or 6hr collection	Avoid vanilla containing foods for 3 days prior to test.
Varicella Zoster IgG	Chickenpox serology	Yellow	CHL no longer perform IgM testing. For immunity testing ONLY. If acute infection is suspected, and diagnosis cannot be made on clinical grounds, a swab for V. zoster PCR testing should be taken.
Varicella zoster IgM			Not available.
Varicella zoster PCR	VZV, Chicken Pox, Shingles, Herpes zoster	Dry or green-top viral swab	If Herpes simplex is also required it is preferable to also collect a Hologic Aptima Multitest swab.
Vasointestinal Peptide (VIP)	VIP		Refer patient to local hospital laboratory.
Vasopressin	ADH / AVP, anti-diuretic hormone	2x Lavender	Patient should not be stressed.
VDRL - see Syphilis serology			
VGCC antibodies	see Voltage-gated calcium channel antibodies		
VGKC antibodies	see Voltage-gated potassium channel antibodies		
VIP - see Vasoactive Peptide			
Viral - Faeces - See Faecal Viral			
Viral - Swab	Viral PCR	Swab type dependant on virus, refer to individual viruses for full details	Note on request form the specific virus to be tested. Swab type dependant on virus, refer to individual viruses for details.
Viral Load - HBV	HCV viral load/PCR/RNA	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to local hospital laboratory.
Viral Load - HCV	HCV viral load/PCR/RNA	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to local hospital laboratory.
Viral Load - HIV	HCV viral load/PCR/RNA	2x Lavender	Take dedicated tubes. Monday to Thursday ONLY. Out of town: send patient to local hospital laboratory.
Viral Serology/Titres		Yellow	Not a test - must specify specific serology required.
Viscosity - Plasma		Lavender	Take dedicated tube.
Vitamin A	Retinol	Yellow	Must be light protected. Collect dedicated tube.
Vitamin B1	Thiamine pyrophosphate, Transketolase	Green (no gel)	Only offered at NORTHFIELD due to proximity to lab. Place sample immediately on ice. Send in a red bag. Must reach the lab within 1 hour of collection.
Vitamin B12	B12, Cobalamin	Yellow	
Vitamin B2	FAD / Flavine adenine dinucleotide	Lavender	Protect from light. Collect dedicated tube.
Vitamin B6	Pyridoxyl phosphate, pyrodoxine	Lavender	Protect sample from light.
Vitamin C	Ascorbic Acid	Green on ice	Only offered at NORTHFIELD due to proximity to lab. Place sample immediately on ice. Send in a red bag. Must reach the lab within 1 hour of collection.
Vitamin D	25 Hydroxy Vitamin D, 25 OH Vitamin D, Calciferol 25 OH	Yellow	
Vitamin E	Tocopherol	Yellow	Protect sample from light.
Vitamin K		Yellow	Must be light protected
VMA	Vanillylmandelic acid	Urine -24hr Urine bottle (acid or plain) Child - random Urine or 6hr collection	Avoid vanilla containing foods for 3 days prior to test.
Voltage-gated Calcium Channel Antibodies	VGCC antibodies	Yellow	Take an extra Yellow top for this test
Voltage-gated Potassium Channel Antibodies	VGKC antibodies	Yellow	Take an extra Yellow top for this test

Test Name	Alternative Name	Specimen	Special Requirements
Vomit - Refer to Norovirus PCR			
Von Hippel Lindau Disease Gene Test	VHL	Lavender	Take dedicated tube. Referral form should outline clinical details and indication for testing.
von Willebrand's factor assay	Von Willebrand's screen	3x Blue Fill to line	Out of town: Refer patient to local hospital laboratory. Deliver to the laboratory within 2hrs. Includes PFA.
Voriconazole		Red or Green (no gel)	
VRE Screen - Refer to MDRO Screen			
Wart virus - swab - refer to HPV Viral swab			
Washing - Refer to Endoscopes			
Wasserman / WR - see Syphilis			
West Nile Virus		Yellow	Onset of illness desirable.
White cell antibodies	Leucocyte antibodies	Red	Performed by NZBS at National Tissue Typing Laboratory, Auckland.
Whooping cough - Serology	Bordetella Abs, pertussis Abs	Yellow	For clinical use ONLY - NOT FOR IMMUNITY TESTING. Date of onset of illness desirable.
Whooping cough Culture - No longer available. Refer to B. pertussis PCR			
Whooping cough PCR - See B.pertussis PCR			
Widal	Typhoid serology		No longer available.
Worm Identification		Worm specimen in pottle with or without saline	
Worms	?Pinworm, Cellotape prep	Cellotape on slide or folded in urine pottle, or Faecal specimen	If for pinworms contact Microbiology for cellotape preparation collection instruction. Otherwise faecal specimen.
Xa	Anti-Xa, Factor-Xa, anti-10a, Factor-10a	Blue	Deliver to the lab within 4 hrs. Out of town: send patient to hospital laboratory. Fill tube to line.
Xylene	Methylhippuric acid	Urine - random collection on ice	Collect immediately following exposure/working shift. Transport on ice.
Y-Chromosome microdeletions		Lavender	
Yersinia Serology		Yellow	
Zarontin	Ethosuximide	Red	Take dedicated tube. Note collection time, dose and time of dose.
Zika Virus - PCR	Zika RT-PCR, Arbovirus PCR	Yellow (also collect a random urine only if specifically requested by the referrer)	Travel history MUST be provided - countries visited together with dates of duration of stay, description of symptoms, date of symptom onset. All pregnant women at high risk of exposure within 2 weeks of travel to endemic area should be tested (state trimester of pregnancy). All non-clinical/asymptomatic requests other than in pregnancy must have approval granted from a CHL Microbiologist or equivalent and payment must be collected.
Zika Virus - Serology	Zika IgM/IgG	Yellow	See notes for Zika PCR
Zinc plasma/serum	Zn	Dark Blue	Deliver to the laboratory within 3hrs.
Zinc protoporphyrin		Lavender	Protect from light.
ZN Stain - Refer to TB stain/culture			
Zoster PCR - Refer to Varicella zoster PCR			
Zoster serology			No longer available. Shingles usually diagnosed clinically. If required a swab of lesions for PCR can be done.
β-2 glycoprotein	Beta-2 glycoprotein Abs, B2GP1	Yellow	Prefer 1.0 mL serum (minimum 0.5 mL)
β-2 microglobulin	Beta -2 microglobulin	Yellow	
β-Carotene	Carotene, beta carotene	Yellow	Protect from light.
β-CTX	crosslaps/CTX, c-telopeptide	Lavender	Fasting specimen preferred. Collect between 8-10am.
β-HCG (tumour)	HCG tumour marker	Yellow	
β-HCG (pregnancy)	HCG	Yellow	Note date of last menstrual period. Please note if HCG is requested on a male then refer to Tumour Marker HCG (TMM).
β-hydroxybutyrate	Serum ketones	Yellow	