



# Southern Community Laboratories Otago/Southland Specimen Collection Guide

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## Overview

This collection guide serves as a quick reference of the laboratory tests available from Southern Community Laboratories in the Otago/Southland region. The tests are listed in alphabetical order, by their most common name.

Refer to the online collection guide for any changes since this document was printed. Changes to this document must be authorised by the Regional Quality Coordinator (Roger Barton).

## Test Prices

Prices listed are current as of 11 July 2019 and are inclusive of GST. Tests listed as "funded" will be paid for by the Southern DHB, when requested by an approved referrer on behalf of an eligible patient.

- Specialist only tests are only funded when directly referred by a medical specialist in the relevant field.
- Unfunded tests are not funded by the SDHB under any circumstances; the referrer or patient will need to pay for testing, unless special funding has been approved by the SDHB.

## Disclaimer

Significant effort has been made to ensure this guide is correct, but we cannot be held liable for errors or omissions. All details are subject to change without notice.

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Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
11-Deoxycortisol	Metyrapone test	<b>Red</b> (dedicated tube that cannot be used for other tests)	Take dedicated tube. State whether pre or post metyrapone sample. Ordering restricted to endocrinologists ONLY	Ordering restricted to endocrinologists ONLY	11D	CHL	Specialist or patient paid only
14-3-3 CSF Protein	CJD Protein	CSF	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	BIOHAZARD - Don't open bag, handle sample in safety cabinet	MSE	CHL	Funded
16S rRNA Sequencing	Genetic ID of microbiology specimen		Contact microbiology department		MSE	OTG	Unfunded
17 Steroid Study	Steroid Study	<b>Green</b> , Urine		Spin green tube, put in rack in haematology walk in chiller and copy of form on Clinical Trials desk. Samples received from NICU - place samples on top left shelf of haemtology chiller	DRW & billing code STER	OTG	Study
18S rRNA Sequencing	Genetic identification of microbial specimen		Contact microbiology department		MSE	OTG	Unfunded
5HIAA	5-hydroxy indole acetic acid; carcinoid screen; indoles; 5-hydroxy indole acetic acid	Urine 24-hour ACIDIFIED	24-hour collection (ACID bottles); Warn patient about acid in bottles	Measure and record 24-hour urine volume; Store one aliquot	HIA	Wellingt on SCL	Funded
5-HT	5 hydroxy tryptamine; serotonin; tryptophan	<b>Lavender</b>		Freeze WHOLE blood	SER	CHL	Funded
7-dehydrocholesterol		<b>Red</b>			MSE	CHL	Unfunded
A-1 Antichymotrypsin		<b>Red</b>			MSE	CHL	Unfunded
Abnormal haemoglobin quantitation		2x <b>Lavender</b>		Send whole blood	MSE	CHL	Funded
Acanthamoeba	Free-living amoeba	Corneal scraping	Contact microbiology department		ACD	CHL	Funded
ACE (Blood)	SACE; Angiotensin Converting Enzyme (Blood)	<b>Red</b>		Separate & freeze serum/plasma on-site before despatch	SAC	Wellingt on SCL	Funded
ACE (CSF)	Angiotensin converting enzyme (CSF)	CSF	Contact Chemical Pathologist	<b>**Not funded - CLAG application required**</b>		OTG	Unfunded
Acetylator status			Advance preparation is essential - contact chemical pathologist; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Unfunded
Acetylcholine Receptor Antibodies	ACH R antibodies; ACH Receptor antibodies; myasthenia gravis antibodies	<b>Yellow</b>	DO NOT refrigerate	DO NOT refrigerate; Separate serum	ARA	CHL	Funded
Acid Phosphatase	ACP; Prostatic acid phosphatase				No longer available		
ACTH	Adrenocorticotrophic hormone; corticotrophin	<b>Lavender</b> on ice	Place on ice and deliver to lab promptly; Haemolysed specimens not suitable	Separate and freeze within 1 hour	ACT	CHL	Funded
Active B12	Transcobalamin; Holotranscobalamin; HoloTC	<b>Red</b>	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		ABT	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
ADA deaminase		Pleural Aspirate	Do NOT freeze; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT freeze	MSE	CHL	Funded
ADAMTS-13			Haematologist approval is required. Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Haematologist approval is required	AAA	CHL	Funded
Adefovir 181 mutation			Refer to LabPlus protocol at <a href="http://testguide.adhb.govt.nz/eguidemob">testguide.adhb.govt.nz/eguidemob</a>		MGR	LabPlus	Unfunded
Adenovirus antigen		Faeces			EAD	OTG	Funded
Adenovirus DNA		Viral Swab		Refrigerate	V	OTG	Funded
Adenovirus serology			Not available - refer to Adenovirus DNA				Not available
Adherence to plastic			Not available			OTG	Not available
Adiponectin		Lavender on ice	Place on ice and deliver to lab promptly	Separate and freeze	ADN	CHL	Funded
Admin fee	Send-away charge; immigration charge	N/A		Add ADM for all patient charge requests that include a sendaway test to a non SCL laboratory	ADM	N/A	
Adrenal antibody screen		Yellow		Separate serum	ADA	Wellingt on SCL	Funded
ALA dehydratase	Test NOT available - discontinued by CHL		Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>				Funded
Albumin (BLOOD)		Yellow		Centrifuge	ALB		Funded
Albumin Creatinine Ratio	Microalbumin; MAL; Urine albumin; ACR; ALB; UALB; Creatinine / albumin ratio; MALB	Urine - random OR 24-hour	Random or 24 hour collection (PLAIN bottles)	Measure and record 24 hour volume; Centrifuge	MAL (Random) AER (24 hour)		Funded
Albumin excretion rate	AER	Urine - 24-hour	12-hour overnight collection, 8pm to 8am (PLAIN bottles)	Measure and record volume; Note collection times; Centrifuge	AER		Funded
Alcohol (BLOOD)	Ethanol; EtOH; C2H5OH; BAC	Yellow	Do NOT swab site with alcohol	Centrifuge; Analyse sample immediately after opening	ACH		Funded
Alcohol (URINE)	Ethanol; EtOH; C2H5OH	Urine - fresh random collection		Centrifuge; Analyse sample immediately after opening	ALC		Funded
Aldolase		Yellow	Haemolysed specimen not suitable	Separate serum ASAP	ALS	CHL	Funded
Aldosterone (BLOOD)		Lavender	Collect prior to 10am; Deliver to the laboratory at room temperature within 30 minutes	Separate plasma and freeze within 30 minutes	ALD	CHL	Funded
Alkaline Phosphatase (BONE)	Ostase; Bone alkaline phosphatase		No longer available; P1NP recommended		Not available		Not available
Alkaline Phosphatase isoenzyme	ALP isoenzymes	Yellow		Separate serum	API	CHL	Funded
Allergy test - FOOD	Skin prick test (FOOD)	No specimen received	Scan request and result sheet	Scan request and result sheet	ALF		Funded
Allergy test - INHALANT	Skin prick test (INHALANT)	No specimen received	Scan request and result sheet	Scan request and result sheet	ALI		Funded
Allergy test - RESPIRATORY	Skin prick test (RESPIRATORY)	No specimen received	Scan request and result sheet	Scan request and result sheet	ALR		Funded
ALP	Alkaline Phosphatase; AP	Yellow	Part of Liver Functions	Centrifuge	AP		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Alpha 1 antitrypsin	α1AT; A1AT; A-1-AT; Anti trypsin	Yellow		Separate serum	ATR	OTG	Funded
Alpha 1 antitrypsin - FAECES		Faeces	Keep cool	Send frozen to LabPlus, Auckland	ATF	LabPlus	Unfunded
Alpha 1 Glycoprotein		Red			A1G	CHL	Funded
Alpha fetoprotein	AFP; α FP	Yellow		Centrifuge	FET		Funded
Alpha globin gene deletion		Lavender	Do NOT centrifuge	Send whole blood	AGG	CHL	Funded
Alpha Globulin Gene Sequencing		Lavender	Do NOT centrifuge; Do NOT freeze; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT centrifuge; Do NOT freeze	MSE	CHL	Funded
Alpha subunit gonadotrophin		Lavender on ice	Place on ice and deliver to lab promptly	Separate plasma and freeze	MSE	CHL	Funded
ALT	Alanine transaminase; ALAT; GPT; SGPT	Yellow	Part of Liver Functions	Centrifuge	ALT		Funded
Aluminium (BLOOD)	Al	Navy Blue K2EDTA	Delivery to laboratory within 3-hours of collection	Separate plasma within 4-hours into aluminium free tube (kits available from CHL)	ALU	CHL	Funded
Aluminium (URINE)		Urine - fresh random collection	Occupational monitoring only - collect at end of shift	Send whole pottle	AUU	CHL	Funded
AMA			This is an ambiguous test name. You MUST contact the referrer to find out what they mean. It could be anti-mitochondrial antibodies, anti-MAG antibodies, anti-myocardial antibody, anti-thyroid microsomal antibody or something else!			OTG	
AMH				See Anti Mullerian Hormone			
Amikacin		Red	Note dose, time of collection and last dose	Centrifuge	AMK	OTG	Funded
Amino acids (BLOOD)	Glycine; Phenylalanine	Yellow on ice	Place on ice and deliver to lab promptly	Separate serum and freeze	SAA	CHL	Funded
Amino acids (CSF)		CSF	Place on wet ice and deliver to lab; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Send frozen	MSE	CHL	Funded
Amino acids (URINE)	Urinary amino acids screen; Urine cystine screen	Urine - fresh random collect	Fresh random urine sample, place on ice and deliver to lab promptly. Clinical details must be on request form	Freeze and send whole pottle	UAA	CHL	Funded
Amiodarone	Aratac; Cordarone; Desethyl-amiodarone	Red	Collect pre-dose	Separate serum	AMI	CHL	Funded
Amitriptyline	Laroxyl; Triple Test	2x Red	Collect 18 hours post dose	Separate serum	AMT	CHL	Funded
AML 19 Trial		Peripheral blood or bone marrow		Forward all samples to Haematology, Dunedin	MTR	OTG	
AMLI-ETO RT-PCR		Lavender or Bone Marrow in EDTA	Urgent to lab; Do NOT refrigerate or freeze; Send whole blood; Mon - Thurs only; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT refrigerate or freeze; Send whole blood; Mon - Thurs only	MSE	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Ammonia	NH3	Lavender	Place on ice and deliver to lab IMMEDIATELY (within 15 minutes); Important: notify chemistry staff immediately when an ammonia specimen is expected. Wards/clinicians must give us ADVANCE warning when a specimen is being sent. Prompt handling is essential	URGENT sample - notify Chemistry ASAP; Separate plasma within 15-minutes of collection and assay or freeze within 3 hours; Frozen plasma must be assayed within 24 - hours	AMM	OTG or STH	Funded
Amniotic fluid bilirubin		Amniotic Fluid	Protect from light		MSE	CHL	Funded
Amniotic fluid screen		Amniotic Fluid	Requestor must indicate specific tests required				
Amoeba culture/PCR		Corneal scraping			MSE	CHL	Funded
Amoeba serology	Entamoeba histolytica	Yellow		Separate	EHH	Wellingt on SCL	Funded
Amphetamine	Methamphetamine	Urine - fresh random collection			AMP		Funded
Amylase (BLOOD)	Pancreatic amylase	Yellow		Centrifuge	AML		Funded
Amylase (URINE)	Diastase	Urine - 24-hour random collection (PLAIN bottles)	Measure and record 24-hour urine volume		UAM		Funded
Amylase isoenzymes		Yellow		Separate serum and freeze	PAI	CHL	Unfunded
Amylobarbitone		Red			MSE	CHL	Funded
Amyloid A		Yellow		Separate and freeze serum on-site before despatch	MSE	CHL	Unfunded
ANA	Antinuclear antibodies; ANF; Anti nuclear Factor; Anti-centromere antibodies; Hep2; LE Cells; Lupus antibodies; SLE screen	Yellow		Centrifuge	ANA		Funded
ANCA	cANCA; pANCA; anti MPO; anti PR3; Anti myeloperoxidase; Anti Neutrophil cytoplasmic antibodies; MPO ANCA; PR3 Antibodies; PR3 - ANCA; Proteinase 3 Ab; Vasculitis Screen	Yellow		Centrifuge	ANC		Funded
Androgen profile	Adrenal Androgens; Includes FSH, LH, prolactin, testosterone, SHBG, FAI	Red		Separate serum	FSH; LH; PRL; FAI	OTG	Funded
Androstenedione		Yellow		Separate serum/plasma	AND	CHL	Funded
ANGI Study Canterbury Health Labs				Doctor Code = NOREP Bill to Code = CAHL; If patient is not in ULTRA, use date of birth 1 Jan (year)	COL; MTR	OTG	Study
Angiotensin II			See CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Anion gap			Calculated from Na, K, Cl, HCO	Dunedin - Stat bench	ELE; CL; HCO		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
ANP					BNP tested in the first instance - See BNP		Funded
Antenatal - FIRST - OTAGO		2x Lavender AND Pink AND Yellow		Lavender - CBC; Lavender - HbA1c; Pink (or 3rd Lavender)- Group and antibody screen (I); Yellow - HBsAg, Rubella IgG, Syphilis, HIV (if requested) (MR)	=ANT1		Funded
Antenatal - FIRST - SOUTHLAND		2x Lavender AND Pink AND 2x Yellow		Lavender - CBC (Invercargill); Lavender - HbA1c (Dunedin); Pink - Group and antibody screen (Dunedin); Yellow - HBsAg, HIV (if requested) (Invercargill); Yellow - Rubella IgG, Syphilis (Dunedin)	=ANT1	STH and OTG	Funded
Antenatal - SECOND - OTAGO & SOUTHLAND		Lavender AND Pink		Lavender - CBC (Invercargill); Pink (or 2nd Lavender) - Antibody screen (Dunedin)	=ANT2		Funded
Anti D titre		Pink	Label specimens with full name and DOB	Immunology to forward to NZBS	RHA		Funded
Anti Diuretic Hormone	ADH; AVP; Vasopressin; Arginine Vasopressin	Lavender		Separate and freeze plasma	ADH	CHL	Funded
Anti E titre		Pink	Label specimens with full name and DOB	Immunology to forward to NZBS	RHA		Funded
Anti MAG antibodies	MAG IgM Auto Abs	Yellow		Centrifuge. Prepare sendaway but check with immunology before despatch	AMG	LabPlus	Funded
Anti mitochondrial	Mitochondrial antibodies	Yellow			AUT	OTG	Funded
Anti Mullerian Hormone	AMH; Mullerian Inhibiting Substance	Red		Separate serum and freeze	AMH	CHL	Funded
Anti MUSK	MUSK antibodies	Yellow		Centrifuge. Prepare sendaway but check with immunology before despatch	MKA	LabPlus	Funded
Anti Myelin			See CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Unfunded
Anti neutrophil antibodies					Not available - Contact NZBS		Funded
Anti NMO antibodies	Neuromyelitis optica; AQP4 Abs; Aquaporin Antibodies	Yellow		Centrifuge. Prepare sendaway but check with immunology before despatch	NMO	LabPlus	Funded
Anti smooth muscle	Smooth muscle antibody; ASMA	Yellow			AUT	OTG	Funded
Antibody Screen	Rhesus antibody; Red cell antibodies	Pink	Hand label specimens with full name and DOB	Send whole tube	AS		Funded
Antimony - URINE	Sb	Urine			UAN	CHL	Funded
Antithrombin		Blue - Fill to line	Deliver to laboratory within 3 hours; Mark top of tube	Refer to coagulation specimen preparation protocol	AT3; PT; APT; TCT		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
APC Resistance	APCR; Activated Protein C Resistance	Blue	Haematologist approval required; Deliver to lab within 2 hours	Mark top of tube	APC, PT, APT	CHL	Funded
Apo E phenotype	Apo E Genotype	Lavender	Specialist referral or Patient Paid only	Send whole blood	APG	CHL	Specialist or patient paid only
APTT	Activated partial thromboplastin time	Blue - Fill to line	Deliver to laboratory within 2-hours if on heparin, 4 hrs if not; Mark top of tube	Centrifuge for 10-minutes	APT; APH if on heparin		Funded
Arbovirus serology		Yellow	Travel history required; Clinical details required; Microbiologist approval required	Travel history required; Clinical details required; Microbiologist approval required; Immunology/microbiologist will organise sendaway	ARB		Funded
Arsenic	As	Urine - fresh random collection	Industrial - collect at end of working day/week	Send whole pottle	ARS	CHL	Funded
Arthritis Screen	Includes rheumatoid factor; ANA; and CRP	Yellow		M(OTG), Immunology and LTA	RFT; ANA; CRP		Funded
Aspergillus PCR			Mon - Thurs only; Must be approved by Clinical Microbiologist; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Aspergillus Serology	Aspergillus precipitins	Yellow		Separate	ASG	CHL	Funded
Aspirate culture	Fluid culture	Aspirate; Pleural fluid; Synovial fluid	Urgent to Microbiology	Site code required	A		Funded
AST	Aspartate Transaminase; ASAT; GOT; SGOT	Yellow	Part of LFTs	Centrifuge; Separate if overnight delay	AST		Funded
Ataxia gene test		2x Lavender	Could be one of many 'Ataxia' gene tests. Check current funded/unfunded list	Could be one of many 'Ataxia' gene tests. Check current funded/unfunded list. Send whole blood	MGR	Wellington Regional Genetics	Unfunded
Atrial Natriuretic Peptide					BNP tested in the first instance - See BNP		
Atypical lymphocytes		Lavender	Part of CBC	Whole blood	CBC		Funded
Atypical pneumonia		Yellow		Other codes to be added by Immunology if required	LEG		Funded
Autoantibody screen	Auto-immune Ab; Includes mitochondrial, smooth muscle, parietal cell antibodies and ANA	Yellow		Centrifuge	AUT; ANA	OTG	Funded
Autoclave controls	Spore	Control specimens			CON		Funded
Avian Precipitins/AB's	Avian antibodies; Bird Fanciers Lung; Precipitins	Yellow		Separate serum	AVA	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Azathioprine level	6 thioguanine nucleotide; 6-TGN; TGN; 6 mercaptopurine; MMP; 6-MP; 6-MMP; Purinethol; azathioprine metabolites	<b>Lavender</b> ; Whole blood MUST be frozen if analysis delayed >4days	Do NOT centrifuge	Do NOT centrifuge - Send whole blood - keep chilled; Red cell count required - result transferred via interface; Satellite labs send sample in MISC bag; Dunedinmark top of tube and place in rack for CBC/haematology to put the samples in the specific marked rack in the haematology fridge	TGN	OTG	Funded
Barbiturates		Urine - fresh random collection			BAR	CHL	Funded
Barmah forest virus serology		<b>Yellow</b>	Travel history required; Clinical details required; Microbiologist approval required	Travel history required; Clinical details required; Microbiologist approval required; Immunology/microbiologist will organise sendaway	BFV		Funded
BCL2 PCR		<b>Lavender</b> , Bone Marrow & tissue	Mon - Wed only; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Mon - Wed only	MSE	CHL	Funded
BCR/ABL Multiplex	BCR ABL PCR - Refer to Haematology; Diagnostic (first time only)	3x <b>Lavender</b>	Mon - Thurs only; Do NOT refrigerate	Do NOT refrigerate; Send whole tubes	Refer to Haematology; BCR	Check with haematology	Funded
BCR/ABL P190	Philadelphia Chromosome; Diagnostic (first time only); BCR ABL PCR - Refer to Haematology	3x <b>Lavender</b>	Mon - Thurs only; Do NOT refrigerate	Do NOT refrigerate; Send whole tube	Refer to Haematology; P19	Check with Haematology	Funded
BCR/ABL P210	P210 breakpoint; P2BP21; Monitoring (patient on Imatinib); BCR ABL PCR - Refer to Haematology	2x <b>Lavender</b>	Mon - Wed only; Do NOT refrigerate	Do NOT refrigerate; Send whole tubes	P21	Check with haematology	Funded
BCR/ABL1 Tyrosine Kinase Domain Mutation	(For Imatinib resistance)	3x <b>Lavender</b>	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a> ; Monday to Thursday ONLY		ABK	Check with haematology	Unfunded
Bence Jones Protein	BJP; Free light chains - URINE; Urine Electrophoresis; Urine FLC	Urine - fresh random collection		Aliquot for urine protein and 2 aliquots for freezer	BJP	OTG	Funded
Benzodiazepines		Urine - fresh random collection			BEN		Funded
BePURE	Be Pure; Commercial account. Example of request form here: <a href="#">BEPURE request form 15.12.16.pdf</a>	Test as indicated on the request form	Tests as indicated on the request form. Billed to BePURE - No payment required from the patient				
Beta 2 glycoprotein 1		<b>Yellow</b>		Separate serum. Minimum volume = 500uL	B2G	LabPlus	Funded
Beta 2 microglobulin	β 2 microglobulin	<b>Yellow</b>		Separate serum	B2M	CHL	Funded



Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Beta globulin mutation	HBB sequencing	Lavender	Do NOT centrifuge; Do NOT freeze; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT centrifuge; Do NOT freeze	MSE	CHL	Funded
Beta-hydroxy butyrate	β hydroxy butyrate; BHB; beta-hydroxybutyric acid; BHBA; Hydroxybutyrate; Ketones - BLOOD; Acetoacetic acid; Acetone	Yellow (Dunedin); Lavender (Invercargill)			BHY	OTG or STH	Funded
Bethesda/FVIII Inhibitor screen	Factor VIII Inhibitor screen	2x Blue - fill to line	Deliver to laboratory within 2 hours; Mark top of tubes	Refer to coagulation specimen preparation protocol	CFA; PT; APT	OTG	Funded
BGB-283 Solid Tumour Study	BeiGene Solid Tumour Study			Doctor Code = BSST; Bill to Code = BIO	as per form	OTG	Study
Bicarbonate	HCO3; Total CO2	Gas syringe or Dark Green (no gel)	Deliver immediately to laboratory	Dunedin - Stat bench	HCO		Funded
Bile salts	Obstructive cholestasis	Yellow on ice	Place on ice and deliver to lab promptly; Fasting is not strictly required, but you should wait at least 90 minutes after food before sample collection	Separate serum and freeze	SBS	CHL	Funded
Bilirubin - DIRECT	Conjugated bilirubin; D. Bil; BC	Yellow		Centrifuge	DBI	OTG or STH	Funded
Bilirubin - INDIRECT	Unconjugated bilirubin; BU	Yellow		There is no such test as indirect/unconjugated bilirubin. However we can estimate this by subtracting direct bilirubin from total bilirubin	BIL and DBI	OTG or STH	Funded
Bilirubin (ADULT BLOOD)	Total bilirubin; TBIL	Yellow		Centrifuge	BIL	OTG or STH	Funded
Bilirubin (URINE)		Urine - fresh random collection	Protect from light		UDC		Funded
Bismuth (BLOOD)		Lavender		Send whole blood	MSE	CHL	Funded
Bismuth (URINE)		Urine - fresh random collection		Send whole pottle	MSE	CHL	Funded
BK virus PCR	BK DNA	Lavender	Refer to LabPlus protocol at <a href="http://testguide.adhb.govt.nz/eguidemob">testguide.adhb.govt.nz/eguidemob</a>	Separate EDTA plasma; Refrigerate	BKV	LabPlus	Funded
Bleeding time			Test NOT performed in Dunedin				Not available
Blood Body Fluid Exposure RECIPIENT	BBFE , needle stick , NSI	Yellow		Mark as Urgent	HEG, HEB, HCV, HIV	OTG or STH	
Blood Body Fluid Exposure SOURCE	BBFE , needle stick , NSI	Yellow		Mark as Urgent	HEG, HCV, HIV	OTG or STH	
Blood culture		Blood Culture Bottles	Special procedure - refer to patient services protocol. Maximum of ONE PAIR of bottles per barcode. More than one pair means a new request form and barcode is required	Receipt 1x Z (blood culture bottle) for each bottle received. NEVER refrigerate	=BC2 (2 bottles received) or BA (aerobic bottle only) or BN (anaerobic bottle only)	OTG or STH	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Blood culture myco / fungi	Fungal blood culture, mycobacteria blood culture, tuberculosis blood culture, TB blood culture	Blood Culture MycoF/Lytic bottles (white/red)	Special procedure - refer to patient services protocol	Receipt 1x Z (blood culture bottle) for each bottle received. NEVER refrigerate	BF	OTG or STH	Funded
Blood culture paediatric		Blood culture paed	Special procedure - refer to patient services protocol	Receipt 1x Z (blood culture bottle) for each bottle received. NEVER refrigerate	BC		Funded
Blood film	Film morphology	Lavender			BLM		Funded
Blood gas	Arterial blood gas; ABG; Venous blood gas; VBG; gasses	BLOOD GAS syringe	Deliver immediately. NOT necessary to place syringe on ice. Green top tube must be on ice	Urgent to gas machine	BG (CCG)	OTG or STH	Funded
Blood gas (i-STAT)	Arterial blood gas; ABG; Venous blood gas; VBG; gasses; CG4	Blood gas syringe or Green, whole blood	Testing on the i-STAT hand-held analyser only		IBG		Funded
Blood Group SOUTHLAND	ABO; Rhesus group; Group and Rh	Pink	Payment required unless diagnostic; Hand label with full name and DOB/NHI	Do not separate	GRP	STH	Funded
Blood Group OTAGO	ABO , Rhesus group; Group and Rh	Pink	Payment required unless diagnostic; Hand label with full name and DOB/NHI; Under 1 month old, send to NZBS	Do Not separate	GRP	OTG	Funded
Blood group antibody identification				To be added by Immunology only		OTG	
BNP	Brain natriuretic peptide; N-BNP; Pro-BNP	Yellow			BNP	OTG or STH	Funded
BNP (i-STAT)		Lavender, whole blood	Testing on the i-STAT hand-held analyser only		BNI		Funded
Bone donor profile		Red	OTG: Send whole tube to NZBS; STH: Send to Blood Bank		BDS (=BONE1 or =BONE2)	NZBS	Funded
Bone marrow aspirate / trephine / examination		Smears and/or Green and/or Lavender and/or Histology	Haematologist to perform collection	Result(s) processed in Lab Solutions	LSB		Funded
Bone profile	Bone panel; Osteo profile	Yellow		Enter these 3 panels if "Bone Profile" is requested with no further details -- per Dr Geoff Smith. Do not confuse with Bone Donor Profiles	CA, PO4, AP	OTG or STH	Funded
Bordetella PCR	B. pertussis; Pertussis; Whooping cough, pertussis culture	Nasopharyngeal swab in ORANGE top tube		Refrigerate; Microbiology to obtain approval from Clinical Microbiologist	BPD		Funded
Bordetella pertussis serology	Whooping cough; pertussis; B. pertussis	Yellow	Please consult Southern Health Pathways for guidance on investigation of potential pertussis cases. <a href="https://www.southernhb.govt.nz/pages/southern-healthpathways/">https://www.southernhb.govt.nz/pages/southern-healthpathways/</a>	Add the Ultra panel PER and forward sample to Immunology Dunedin	PER		
Borrelia serology	Lyme disease	Yellow	Travel history required; Clinical details required	Travel history required; Clinical details required Separate serum	LME	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
BRAF Mutation	Melanoma / colorectal tumour mutation	Tissue		Send to Dunedin Histology; BRAF_Idylla_Request.pdf; <a href="https://www.sclabs.co.nz/images/docs/BRAF_Idylla_ConsentPay.pdf">https://www.sclabs.co.nz/images/docs/BRAF_Idylla_ConsentPay.pdf</a>	LBR	OTG	Unfunded
BRCA1/BRCA2 gene testing		2x Lavender	MUST be with Genetic Services request form; Do NOT refrigerate; Do NOT centrifuge	Do NOT refrigerate; Send whole blood	BBG	CHL	Funded
Bromide		Navy Blue K2 EDTA		Separate plasma	BRO	CHL	Funded
Bronchial BRUSHING		Brushings			SMR		Funded
Bronchial WASHING		Washings		Site code required	SP		Funded
Brucella abortus	Brucellosis	Yellow			BR	OTG	Funded
Brucella confirmation		Yellow		to be added by Immunology only	BRU	CHL	Funded
Buprenorphine	Temgesic	Urine - fresh random collection		Send whole pottle	BUP	CHL	Funded
Butyrylcholinesterase genotype		Lavender	Do not Refrigerate	Do NOT refrigerate; Send whole blood	BCH	CHL	Funded
BZP	Benzylpiperazine	Urine - fresh random collection		Funding is approved for CADS only. All other requests to be declined	BZP	CHL	Special restrictions
C 2,5,6,7,8,9; C3 breakdown			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE		Unfunded
C1 esterase inhibitor	CIN inhibitor; CIN	Yellow		Separate serum & freeze on site before despatch	CIN	Wellingt on SCL	Funded
C1Q binding assay	Immune Complexes	Yellow		Separate serum. Freeze if greater than 72 hours from collection to testing	ICM	CHL	Funded
C3 and C4	Complement	Yellow		Centrifuge	COM	OTG	Funded
Ca 125 (Ovarian)	Carbohydrate antigen 125	Yellow		Centrifuge	CAN		Funded
Ca 153 (Breast)	Ca 15-3; Carbohydrate antigen 153	Yellow		Separate serum/plasma and freeze	C15	CHL	Funded
Ca 19-9 (Gastrointestinal)	C199; Carbohydrate antigen 199	Yellow		Do no use grossly haemolysed sample	C19	OTG	Funded
Ca 72-4	C724; Carbohydrate antigen 724	Yellow		Separate serum and freeze	CA7	CHL	Unfunded
Cadmium - BLOOD	Cd - BLOOD	Navy Blue K2EDTA	Do NOT centrifuge	Send whole blood	BCD	CHL	Funded
Cadmium - URINE	Cd - URINE	Urine - random collection; Not yellow top pottles		Send whole pottle	UCD	CHL	Funded
Caffeine		Green			MSE	CHL	Funded
Calcitonin		Green	Place on ice and deliver to lab promptly	Separate plasma and freeze within 30 minutes	CAL	CHL	Funded
Calcium (BLOOD)	Ca	Yellow		Centrifuge	CA		Funded
Calcium (URINE) 24 hour sample	Ca; calcium excretion	Urine - 24 hour collection (ACID bottles)	Warn patient about acid in bottles	Measure and record 24 hour urine volume	UCA		Funded
Calcium (URINE) Random sample	Calcium / Creatinine Ratio; CCR	Random urine		Random urine sample must be clear with no precipitate - otherwise reject sample; Centrifuge	CCR		Funded
Calcium and Phosphate	Combined panel	Yellow		Centrifuge; Separate if >4-hours	CAP	OTG	

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Calculated creatinine clearance	eGFR	Yellow		Centrifuge	CRE		Funded
Calculi	Renal stone	Stone			CCA	CHL	Funded
Calprotectin		Faeces			FCA	OTG	Funded
Calreticulin		2x Lavender	Mon - Thurs only	Send whole tubes; Refer to Haematology	CAM	Wellingt on SCL Molecula r Patholog y	Funded
Cannabinoids	THC; Marijuana	Urine - fresh random collection			CNB		Funded
Cannabinoids, Synthetic		Urine - fresh random collection			SNC	CHL	Funded for Dr Karl Smidt only
Canterbury Health Research Request Form	CHL Research Request	As indicated on the CHL request form	As per the CHL Request Form	Doctor code as per request form or NOREP. Billing code as per request form or CAHL	COL MTR		Study
Carbamazepine	Tegretol	Yellow	Collect immediately pre-dose; Note time of collection and last dose	Centrifuge	CBZ		Funded
Carbapenemase Producing Organism	CRE screen; CPO; Carbapenemase Resistant Enterobacteriaceae	Faeces		Refrigerate	CRR	OTG or STH or ORU	Funded
Carbohydrate deficient transferrin	CDT, excess alcohol consumption	Yellow		Separate serum. [This test monitors alcohol consumption. Do not confuse with carbohydrate deficient glycoprotein syndrome, which has a different test]	CBD	CHL	Funded
Carboxyhaemoglobin	Carbon Monoxide; CO; COHb	Gas syringe	Urgent to chemistry	Blood gas machine	CAH		Funded
Cardiac Autoantibodies		Yellow			CAA	CHL	Funded
Cardiolipin antibodies	Anti cardiolipin antibodies, ACL	Yellow		Centrifuge	CRD		Funded
Carnitine (BLOOD)		Yellow	For blood, place on ice and deliver to lab promptly	For blood, separate serum and freeze	CRN	CHL	Funded
Carnitine (URINE)		Urine - fresh random collection		Freeze	MSE	CHL	Funded
Carotene	β-carotene; Beta-carotene	Yellow	Protect from light	Separate serum; Protect from light	CAR	CHL	Funded
Cat Scratch Disease	Bartonella henselae; Henselae serology; Rochalimaea	Yellow	2nd specimen 2-weeks later	Separate serum	CSD	CHL	Funded
Catecholamines (URINE)	Dopamine - URINE; Noradrenaline (URINE); Norepinephrine; Vanillylmandelic acid; VMA; urine screen for pheochromocytoma	Urine	ADULT; Urine - 24-hour collection (ACID bottles); CHILD; Urine - random or 6-hour collection; Warn patient about acid in bottles	Record volume - send pottle and store second aliquot; CHILD: Adjust pH to between 1.5-3.5 with hydrochloric acid	CTM	Wellingt on SCL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
CBC	Complete blood count; Blood count; full blood count; FBC; blood screen; haemogram; Haemoglobin; neutrophils; lymphocytes; monocytes; eosinophils, basophils; MCV	Lavender		Whole blood	CBC		Funded
CBC Pochi	POCT haematology	Lavender		Used at Balclutha & Gore only	PHI	OTG or STH	
CCP	Cyclic Citrullinated Peptides; Anti CCP; CPI	Yellow		Centrifuge	CPI	OTG	Funded
CEA (Bowel)	Carcino embryonic antigen	Yellow			CEA		Funded
Ceruloplasmin	Caeruloplasmin	Yellow		Separate serum	CER	Wellingt on SCL	Funded
CH50	Total haemolytic complement	Yellow		Separate serum and freeze	CH	CHL	Funded
Charcot Marie Tooth syndrome	HMSM / PMP22	Lavender	Do not Refrigerate	Send whole blood	MGR	CHL	Funded
CHEM8+ Chemistry Panel (i-STAT)	CHEM8; CH8; (includes sodium, potassium, chloride, urea, creatinine, glucose, ionised calcium, CO2 and haematocrit as a single panel)	Green, whole blood	Testing on the i-STAT hand-held analyser only		CH8		Funded
Chikungunya serology		Yellow	Travel history required; Clinical details required; Microbiologist approval required	Travel history required; Clinical details required; Microbiologist approval required; Immunology/microbiologist will organise sendaway	ARB		Funded
Chimerism	Chimaerism	2x Lavender or 1-3ml bone marrow in EDTA or RPMI			CMM	Wellingt on Regional Genetics	Funded
Chlamydia Pneumoniae serology	Atypical pneumoniae	Yellow	2nd specimen 2-weeks later; Travel history required; Clinical details required	Travel history required; Clinical details required Separate serum	CHB	OTG	Funded
Chlamydia/gonorrhoea PCR	Chlamydia trachomatis; CT; Neisseria gonorrhoeae; NG; gono; GC	Chlamydia swabs or urine in special "Aptima" containers. ("Regular" urine containers are not acceptable)	Urine: 1st catch collection, at least 1 hour after last urination. Must be in "Aptima" container	Refrigerate; Separate laboratory numbers for separate sites or multiple samples. Must be in Aptima container. "Regular" urine containers should be forwarded to microbiology for assessment	CHA (over 12 years old); CHC (under 12 years old)	OTG	Funded
Chloride (BLOOD)	Cl	Yellow		Centrifuge	CL		Funded
Chloride (URINE)	Cl	Urine - fresh random collection			UC		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Cholinesterase activity / phenotype / genotype	Acetylcholinesterase; organophosphate; red blood cell cholinesterase; plasma cholinesterase; dibucaine and fluoride inhibition; pesticide poisoning	Lavender	Do NOT centrifuge	Do NOT centrifuge. Send whole tube. Clotted blood not acceptable. Note clearly on sendaway sticker if the test is for PLASMA or RED BLOOD CELL cholinesterase. In the absence of this detail, CHL will do both types	CHG	CHL	Funded
Chromium (PLASMA)	Cr	Navy Blue K2EDTA		Separate plasma	PCH	CHL	Funded
Chromium (URINE)	Cr	Urine - fresh random collection	Industrial - collect at end of shift / end of work week	Send whole pottle	UCH	CHL	Funded
Chromogranin A	CG	Yellow		Separate serum and freeze within 24 hours of collection	CMG	CHL	Funded
Chymotrypsin		Faeces			CHY	CHL	Funded
Citrate (BLOOD)		Lavender		Separate plasma and freeze	MSE	CHL	Funded
Citrate (URINE)		Urine - 24 hour collection (Acid Bottles)		Measure and record 24 hour urine volume; Freeze aliquot	UCT	CHL	Funded
CK	Creatinine Kinase; CPK; Creatinine kinase / phosphokinase	Yellow		Centrifuge	CK		Funded
CK isoenzymes electrophoresis			Not available - enquiries to Chemistry		CC		
CKMB	Muscle or myocardial Isoenzyme	Yellow		Separate & freeze serum/plasma on-site before despatch	CKM	Wellingt on SCL	Funded
Clinical Lymphocyte culture		Green	Do NOT refrigerate	Whole blood	MSE	CHL	Funded
CLL14 Trial	Chronic Lymphocytic Leukaemia Trial			Doctor Code = CLL; Bill to Code = CLL	COL + tests as per form	OTG	Study
Clobazam	Frisium	Red	Collect pre-dose	Separate serum	CZM	CHL	Funded
Clomipramine Clopress	Anafranil	2x Red	Collect 18 hours post-dose	Separate serum	CLP	CHL	Funded
Clonazepam	Rivotril	Red	Collect pre-dose	Separate serum	CLO	CHL	Funded
Clostridium difficile	C. difficile; C. diff	Faeces	Refrigerate		FCD		Funded
Clozapine	Leponex	Red	Collect at least 10 hours post-dose	Separate serum	CLZ	CHL	Funded
CMV avidity	Cytomegalovirus	Red	Immunology to check	Immunology to check	CMA		Funded
CMV DNA/PCR amplification	CMV viral load; Cytomegalovirus viral load	Lavender	Dedicated tube not to be used for other tests	Deliver to Mol Path within 24 hours or separate plasma and freeze in viral load tube	CVL	OTG	Funded
CMV PCR (URINE)	Cytomegalovirus PCR (Urine)		Microbiologist approval required		VIC	CHL	Funded
CMV serology	Cytomegalovirus	Yellow		Centrifuge; Do not use grossly haemolysed samples	CMV	OTG	Funded
Coagulation Correction Studies		Blue - fill to line	Deliver to laboratory within 2 hours; Mark top of tubes		CCS		Funded
Coagulation factor II	II; Factor Assay	Blue - fill to line	Deliver to laboratory within 2 hours; Mark top of tubes	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	CF2	CHL	Funded
Coagulation factor XIII	XIII; Factor Assay	Blue - fill to line	Deliver to laboratory within 2 hours; Mark top of tubes	Refer to LabPlus protocol at <a href="http://testguide.adhb.govt.nz/eguidemob">testguide.adhb.govt.nz/eguidemob</a>	13A	LabPlus	Funded
Coagulation factors V, VII, X (extrinsic)	Factor Assay; Factor VIII and IX	2x Blue - fill to line	Deliver to laboratory within 2 hours; Mark top of tubes	Refer to coagulation specimen preparation protocol	CFA; PT; APT		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Coagulation factors VIII, IX, XI, XII	Factor Assay; Factor VIII and IX; Intrinsic coagulation clotting factors	2x <b>Blue</b> - fill to line	Deliver to laboratory within 2 hours; Mark top of tubes	Refer to coagulation specimen preparation protocol	CFA; PT; APT		Funded
Coagulation screen	Clotting screen; Haemostasis screen	<b>Blue</b> - fill to line AND <b>Lavender</b> (if COMMUNITY)	Deliver to laboratory within 2-hours; Mark top of tubes	Centrifuge 10-minutes; COA includes PT, APTT, FIB	COA; CBC if lavender received		Funded
Cobalt (PLASMA)	Co	<b>Navy Blue</b> K2EDTA		Separate plasma	PCO	CHL	Funded
Cobalt (URINE)	Co	Urine - fresh random collection	For occupational exposure, collect at the end of working shift	Send whole pottle	COB	CHL	Funded
Cocaine		Urine - fresh random collection			CCN	CHL	Funded
Coccidia	Coccidiomycosis	<b>Yellow</b>	Travel history required; Clinical details required	Travel history required; Clinical details required Separate serum	MSE	CHL	Unfunded
Codeine metabolites			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Unfunded
Coeliac screen	EMA; TTG; gluten intolerance; anti-gliadin; Endomysial antibodies; Anti endomysial antibodies; Gluten antibodies; Reticulin antibodies; TGL; Transglutaminase; Tissue transglutaminase	<b>Yellow</b>		Centrifuge	TGA (If patient paid = TG1)	OTG	Funded
Coenzyme Q10	CoQ; Coenzyme Q	<b>Green</b>	Protect from light	Separate plasma and freeze; Protect from light	Q10	CHL	Specialist or patient paid only
Cold agglutinins	Anti I / i	<b>Lavender</b>	** No need to maintain at 37°C	Forward to NZBS	CAB (CAS)	NZBS	Funded
Collagen binding assay	Part of von Willebrand's, to be added by Haematology only	<b>Blue</b>	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Refer to Coagulation Specimen Preparation Manual	CBA	CHL	Funded
Collection - Clinical Trials			For clinical trials/studies unless indicated otherwise on the request form		COU	OTG	
Collection - Commercial			For Commercial third party sample collection		CCO	OTG	
Complement Pathway Activity	AP CH50; Alternative Pathway	<b>Yellow</b>	The specimen MUST be spun and separated within 1 hour. It should be sent frozen to the laboratory; Microtainer collects are not suitable for pathway activity assays due to contamination with tissue fluids		CPW	LabPlus	
Coombs Test - Dunedin during Immunology hours (7.00 - 5.00 mon-fri)	DCT; Direct antiglobulin; Direct coombs test; DAT	<b>Blue</b> or <b>Lavender</b>	Do NOT refrigerate	Circle tube top and put in miscellaneous rack; BUT..... If the patient is under 1 month old, send to NZBS. Number, scan and stamp with "Sent to Blood Bank"	DCT (MTR only if sent to NZBS)	OTG	Funded
Coombs Test - Dunedin outside Immunology hours	DCT; Direct antiglobulin; Direct Coombs Test; DAT	<b>Blue</b> or <b>Lavender</b>	Do NOT refrigerate	Send to NZBS; Number, scan and stamp with "Sent to Blood Bank"	MTR	OTG	Funded
Coombs Test - Sites WITH onsite Bloodbank	DCT; Direct antiglobulin; Direct Coombs Test; DAT	<b>Blue</b> or <b>Lavender</b>	Do NOT refrigerate		DCT		Funded
Coombs Test - Sites WITHOUT onsite Bloodbank	DCT; Direct antiglobulin; Direct Coombs Test; DAT	<b>Blue</b> or <b>Lavender</b>	Do NOT refrigerate	Send to specimen reception at parent lab	DCT		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Copper (BLOOD)	Cu - BLOOD	<b>Navy Blue</b> K2EDTA	Only funded if specialist referral OR post-bariatric surgery; all other requests must be paid	Separate plasma	CU	CHL	Specialist referral OR post-bariatric surgery
Copper (LIVER)		Liver Biopsy (wrapped in aluminium foil)	Freeze; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Dry overnight at; 37C or freeze at -20C	LIC	CHL	Funded
Copper (URINE)	Cu - URINE	Urine - 24-hour collection acid washed bottles (not the usual acid bottle); Acid Washed bottles are obtained from Canterbury Health Laboratories, Trace Metal Laboratory, Ph 03 364 0317	Acid Washed bottles are obtained from Canterbury Health Laboratories, Trace Metal Laboratory, Ph 03 364 0317	Measure and record 24 hour volume	UCU	CHL	Specialist or patient paid only
Corneal Scrape		Corneal Scrape	Kits are stored in the Microbiology Walk In Cold Room - straight ahead, second shelf from the bottom in a stainless steel tray labelled Corneal Scrapes		S	OTG	
Corticosteroid binding globulin	Cortisol binding globulin; CBG; Transcortin	<b>Yellow</b>	Specialist referral or Patient Paid only	Centrifuge; Separate serum	CBG	CHL	Specialist or patient paid only
Cortisol (BLOOD)	** May be part of a Synacthen test or Dexamethasone test**	<b>Yellow</b>	Collect between 7am and 9am unless otherwise requested	**See Synacthen or Dexamethasone as required**	COR	OTG	Funded
Cortisol (salivary)		Saliva (Salivette container)	Before teeth cleaning and no lipstick	Freeze within 8 hours	SCO	LabPlus	Funded
Cortisol (URINE)	Urine free cortisol	Urine - 24-hour collection (PLAIN bottles)		Measure and record volume	UCC	CHL	Funded
Cotinine	Nicotine metabolite	Urine - fresh random collection			COT	CHL	Unfunded
Coxiella burnetti	Q Fever	<b>Yellow</b>	Travel history required; Clinical details required Onset date of illness desirable	Travel history required; Clinical details required; Separate serum; Indicate if 'immune status' test is required	QFE	LabPlus	Funded
C-Peptide (BLOOD)		<b>Lavender</b>	Fasting recommended, but not essential. Indicate fasting status on form	Separate plasma and freeze	PEP	CHL	Funded
C-peptide (URINE)		Urine - 24-hour collection (PLAIN bottles)		Measure and record volume	UCP	CHL	Funded
CPT2 mutation		<b>Lavender</b>	Do NOT refrigerate	Send whole blood	MGR	CHL	Funded
Creatinine - BLOOD	Crn	<b>Yellow</b>		Centrifuge	CRE		Funded
Creatinine clearance	CCL	Urine and <b>Yellow</b>	24 hour urine collection (PLAIN or ACID bottles)	Measure and record urine volume; Centrifuge	CRC		Funded
Creatinine -URINE		Urine - fresh random collection	24-hour or random collection (PLAIN or ACID bottles)	Measure and record 24-hour urine volume	UCR		Funded
Cross match - referred		<b>Pink</b>		For use at Oamaru & Dunstan only	CXM	OTG	
CrossLaps	β-CTX; CTXC telopeptide; C-terminal telopeptide; CTX	<b>Lavender</b>	Fasting specimen between 0800 and 1000	Separate and freeze plasma	CTX	CHL	Funded



Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Crossmatch		Pink	DO NOT use printed labels. Label with full name, DOB, NHI, date and time of collection + sign tube	Send whole tube; Do NOT cover patient details with the laboratory number	CRO	NZBS	Funded
CRP	C-reactive protein	Yellow		Centrifuge	CRP		Funded
Cryofibrinogen		Lavender	Keep samples at 37°C	Keep samples at 37°C until separated	CRY		Funded
Cryoglobulin; Cryoprotein		Red and Lavender	Keep samples at 37°C	Keep samples at 37°C until separated; Receipting to notify proteins bench (or stat bench after hours), of arrival	CRY		Funded
Cryptococcal serology		Yellow		Separate serum	CRA	Wellington SCL	Funded
Cryptococcus antigen in CSF		CSF		Must be approved by Medical Microbiologist	CRA	Wellington SCL	
Cryptosporidium	Crypto	Faeces		Refer to Faecal Parasites		OTG	Funded
Crystals		Fluid	Urgent to microbiology	If culture also requested, use panel 'A'	CRS		Funded
CSF analysis	CSF culture = C;; CSF biochemistry = CSB;; CSF cytology = LSN;; CSF immuno/cytospin= FC;; CSF PCR = CMP	CSF specimens - usually come as a set of three special tubes	<b>**URGENT**</b> See Immunology first for review of tests required. Distribute samples as instructed by Immunology. If not for Immunology, or after hours, all samples to microbiology. PCR must be approved by Microbiologist	<b>**PCR must be approved by Microbiologist; Cyto result is processed in Lab Solutions</b>	C & CSB; LSN; FC; CMP	OTG or STH	Funded
CSF Lactate		CSF			CLA	OTG or STH	Funded
CSF Multiplex PCR	Includes: Neisseria meningitidis; Streptococcus pneumoniae; Haemophilus influenzae; Varicella zoster virus; Herpes simplex virus 1; Herpes simplex virus 2; Enteroviruses; Listeria monocytogenes; Mycobacterium tuberculosis; Epstein Barr virus	CSF	Must be approved by a Microbiologist	Must be approved by a Microbiologist	CMP	OTG	Funded
CSF Neurotransmitters		CSF	Contact CHL before collection of CSF, special tubes required; Freeze in dry ice or liquid nitrogen; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Send in dry ice, NOT pink ice; Freeze at -80C	MSE	CHL	Funded
CSF oligoclonal band		CSF and Red; (Blood acceptable up to 3 days before or after CSF collection)	Serum sample does NOT have to be received at the exact time of CSF receipt; up to three days before or after is acceptable. Let chemistry department staff know ASAP if serum from a different time will be required		OLI & SOB	Wellington SCL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
ct DNA Trial	Circulating tumor DNA Trial	White cap tubes supplied by the participant	Collect blood tubes provided, number & scan as usual	DR code DNAUO; Forward samples to SCL Dunedin. Place samples in ONCOLOGY RESEARCH rack on Clinical Trials bench. See example form here SCL Request form ctDNA.pdf	DRW	OTG	
Cx Bladder - CSCL & WSCL	Pacific Edge , Cxbladder Triage, Monitor, Detect	Urine in Cxbladder vial		Received from CSCL & WSCL - copy form & leave on Sendaways bench. Place samples in Pacific Edge courier bin	CB	OTG	
Cx Bladder - LTA, NPL	Pacific Edge, Cxbladder Triage, Monitor, Detect	Urine in Cxbladder vial		Place samples in Pacific Edge courier bin, do not add to Ultra	CB	OTG	
Cx Bladder - Southland, Queenstown, Hawkes Bay	Pacific Edge, Cxbladder Triage, Monitor Detect	Urine in Cxbladder vial		ensure sample has been added to Ultra; DR CODE: PACE; BILL CODE: PACE; Despatch sample & TRF to SCL Dunedin; Cx Bladder Southland 13.2.19.pdf	CB	OTG	
Cyanide		Grey	Place on ice and deliver to lab promptly	Send whole blood frozen	CYA	CHL	Funded
Cyclosporin A		Lavender		Do NOT centrifuge	CYC	OTG	Funded
Cystatin C		Yellow		Separate serum and freeze	CTT	CHL	Funded
Cystic fibrosis gene testing	CF mutation; F508; Delta F508; CFTR; CF mutation analysis	Lavender		Send whole tube	CYS	Wellington Regional Genetics	Funded
Cystic fibrosis specimen	CF sputum	Sputum			CF		Funded
Cystine (urine) QUANTITATION		24-hour urine, acidified		Freeze aliquot	CYU	CHL	
Cystine/cysteine			Note the subtle difference in spelling. CYSTEINE is assayed as part of a cardiovascular risk assessment. This test is now very uncommon. It is usually done on a blood sample. CYSTINE is assayed for certain inborn errors of metabolism and urine stone formers. It is usually done on a urine sample. If unsure, please check with a chemical pathologist			CHL	
Cytogenetic Leukaemic Bone Marrow		Bone Marrow in cytogenetic heparin medium	Refer to Wellington Regional Genetics Protocol		CHH	Wellington Regional Genetics	Funded
Cytology - URINE		Urine - 2nd void of the day	Requires 50% EtOH fixative	Add 50% EtOH if not already in fixative; Result is processed in Lab Solutions	LSN	OTG	Funded
Cytology, anal	Anal smear	SurePath vial		Result is processed in Lab Solutions	LSN	OTG	Funded
Cytology, cervical	Cervical smear; Vault smear; Vaginal smear	SurePath vial	Full labelling required. By law, 'coded' smears are NOT acceptable. Must have an NHI	Also add PVC panel if HPV is requested	SX	OTG	Funded
Cytology, non cervical		Various		Result is processed in Lab Solutions	LSN	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Cytology, sputum		Sputum on three consecutive days	1st sample of morning following deep cough	Result is processed in Lab Solutions	LSN	OTG	Funded
Cytology, vulval	Vulval smear	SurePath vial		Take note of the different panel - LSN (not SX); Result is processed in Lab Solutions	LSN	OTG	Funded
D-Dimer	DDP; FDP; Simplify; Fibrin degradation products	Blue - fill to line	Deliver to laboratory within 3-hours of collection	Mark top of tube	DDP		Funded
D-Dimer POINT OF CARE	Simplify	Blue		Use whole blood or platelet poor plasma	DDI (lab QUE & CLY) DDS (Gore)	QUE, CLY, Gore	Funded
Deaminated Gliadin Peptide Antibodies	DGP IgG	Yellow	Separate serum. Please refer all enquiries to Dunedin Immunology Lab	Immunology authorisation required. Please enter TGA panel only, and they will add the DGP panel if appropriate and justified. No cost to the patient if immunology approves test. Please refer all enquiries to Dunedin Immunology Lab	TGA	OTG	Unfunded
Dengue fever		Yellow	Travel history required; Clinical details required; Microbiologist approval required 2nd specimen 2-weeks later	Travel history required; Clinical details required; Microbiologist approval required; Immunology/microbiologist will organise sendaway Separate serum	DEN	Immuno to decide	Funded
Desipramine		Red	Collect 18-hours post dose	Separate serum	DES	CHL	Funded
Dexamethasone suppression test		Yellow	1 mg Dexamethasone orally at midnight; 0800 bloods for cortisol	Centrifuge	DEX	OTG	Funded
DHEA-S	Dehydroepiandrosterone sulphate; AoS / epiAoS	Yellow	Specialist referral or Patient Paid only	Separate & freeze serum/plasma on-site before despatch	DHS	Wellingt on SCL	Specialist or patient paid only
Diabetic Heart Function Study				Doctor Code = DHFS; Bill to Code = DHFS	as per form	OTG	Study
Diazepam	Valium	Red		Separate serum	DIA	CHL	Funded
DIC screen	DIC haemostasis screen	Blue - fill to line AND Lavender	Deliver immediately to laboratory; Mark top of tubes		COA; DDP; CBC; TCT		Funded
Dieldrin					Contact Chemical Pathologist for advice		Unfunded
Digoxin	Lanoxin	Yellow	Collect at least 6 hours post-dose	Centrifuge	DIG		Funded
Dihydrotestosterone	DHT	Yellow	Specialist referral or Patient Paid only	Separate serum and freeze	DIH	CHL	Specialist or patient paid only
Diphtheria antibodies		Yellow		Separate serum	DVL	CHL	Funded
Disaccharides	Duodenal disaccharides; dissacharides	Small bowel (duodenal) biopsy - fresh frozen tissue	MUST BE KEPT FROZEN	Keep frozen! Contact Canterbury Health Laboratories for directions. Refer to CHL website	DIS	CHL	Funded
Disopyramide		Red			MSE	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
DNA extraction		2x Lavender	Refer to Wellington Regional Genetics protocol	Send whole blood	MGR	Wellington Regional Genetics	Funded
DNA extraction and storage		various	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MGR	CHL	Funded
DNA isolation		2x Lavender	Transport all bloods at room temperature within 24-48 hours	Transport all bloods at room temperature within 24-48 hours	MGR	LabPlus	Funded
DNA storage		2x Lavender	Transport all bloods at room temperature within 24-48 hours	Transport all bloods at room temperature within 24-48 hours	MGR	LabPlus	Funded
Dothiepin	Prothiaden; Dosulepin; Dopress	Red	Collect 18-hours post dose	Separate serum	DOT	CHL	Funded
Doxepin		Red	Collect 18-hours post dose	Separate serum	DOX	CHL	Funded
DPD	Deoxyypyridinoline		No longer available				
Draw fee	Collection charge	N/A		Add DRW for all patient charge requests where blood has been collected by SCL staff	DRW	N/A	
Drug Confirmation - Amphetamines Only		Urine	Amphetamines only		DC1	OTG	
Drug confirmation - NOT AMPHETAMINES		Urine	Specify drug		DRC	CHL	
ds DNA	Anti DNA	Yellow		Centrifuge	DNA		Funded
Duchenne muscular dystrophy	Gene mutation DMD DM1	Check with Molecular Pathology, SCL Dunedin			MGR	OTG	Funded
E. Coli	E. coli 0157; Enterotoxigenic E. coli	Faeces			FPC		Funded
EAST	RAST; Specific IgE	Yellow	Specify allergens required	This test is called Specific IgE. Take care not to mix this up with total IgE	EAS		Funded
Ebola	EHF		Special protocol - refer to microbiology department urgently	Special protocol - refer to microbiology department urgently		OTG	
EBV	Epstein Barr virus; EBNA antibodies; Glandular Fever; VCA	Yellow		Centrifuge	EBV		Funded
EBV DNA / PCR (CHL)		2x Lavender; Dedicated tubes that cannot be used for other tests	Microbiologist approval required unless a transplant patient	Check destination with Mol Path; Do NOT separate; Place samples in EBV PCR rack; Send whole tubes	EBD	CHL	Funded
EBV DNA / PCR (LabPlus)		2x Lavender; Dedicated tubes that cannot be used for other tests	Microbiologist approval required unless a transplant patient	Check destination with Mol Path; Do NOT separate; Place samples in EBV PCR rack; Send whole tubes	EBL	LabPlus	Funded
Ecstasy (URINE)		Urine		Transport on ice	MSE	CHL	Funded
Ectoparasites					ECT		Funded
EGFR Mutation	Lung adenocarcinoma tumour mutation	Tissue		Send to Dunedin Histology; <a href="https://www.sclabs.co.nz/images/docs/EGFR_Idylla_Request.pdf">https://www.sclabs.co.nz/images/docs/EGFR_Idylla_Request.pdf</a>	LFR	OTG	Funded
Elastase	Pancreatic elastase; Faecal elastase	Faeces		Freeze faeces	PEL	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Electrolytes - BLOOD	Sodium and potassium; Na+; K+; 'lytes'	Yellow	Deliver to laboratory within 4-hours of collection; Do NOT refrigerate	Separate if not analysed within 4-hours	ELE		Funded
Electrolytes - FAECAL		Faecal sample - MUST be a completely liquid sample			FEL	OTG	Funded
Electrolytes - FLUID		Fluid	To chemistry STAT bench	Site code required	FLN		Funded
Electrolytes - URINE	Sodium and potassium; Na+; K+; 'lytes'	Urine - 24-hour (PLAIN bottles) or random collection		Measure and record 24-hour urine volume; Centrifuge	UNK		Funded
Electron microscopy			Refer to LabPlus protocol at <a href="http://testguide.adhb.govt.nz/eguidemob">testguide.adhb.govt.nz/eguidemob</a>		EM	LabPlus	Funded
Electrophoresis - HAEMOGLOBIN	Thalassaemia screen; Thalassaemia screen; Haemoglobin electrophoresis; Haemoglobinopathy screen	2x Lavender		Forward tubes to SCL Haematology for HbH stain before sending to LTA; When requested in conjunction with mass spectrophotometry, send to CHL	HGB	LTA	Funded
Electrophoresis PROTEIN	EPP; SPE; PEP; PPE; immunophoresis; Immuno electrophoresis; Paraprotein; Protein electrophoresis; myeloma screen; MGUS	Yellow		Local Laboratory to test TP and ALB	EPP	OTG	Funded
Eli Lilly Rewind Study				Doctor Code = RMCMR; Bill to Code = RMCMR	as per form	OTG	Study
EMA binding	5-eosin-maleimide; Osmotic fragility, red cell fragility	Lavender	Advance arrangement required; contact haematology	Must arrive at Waikato within 24 hours	EMB	Waikato Hospital	Unfunded
ENA	Extractable nuclear antigen; Sjogren's syndrome; Includes Jo-1, RNP, Scl 70, Sm, SSA (Ro), SSB (La)	Yellow			ENA		Funded
Enteric adenovirus		Faeces	Request MUST be approved by Microbiologist		EAD		Funded
Enteric Pathogens, clearance of previous positive or contact	Faecal pathogens; Faeces culture	Faeces			FPC	OTG	Funded
Enteric Pathogens, no travel history	Faecal pathogens; faeces culture; feces culture; faecal culture; Faecal PCR; Cryptosporidium; Giardia specific antigen; Parasites; Parasite PCR; Enteric parasites	Faeces			FPC	OTG	Funded
Enteric Pathogens, Ova & Parasites with travel history outside of NZ/Australia, 2nd or 3rd sample	Faecal pathogens , faeces culture	Faeces			FP	OTG	Funded
Enterovirus	Echovirus; Coxsackie	Throat or Rectal Swab, or faeces	Request MUST be approved by Microbiologist	Refrigerate	V		Funded
Enterovirus serology	Echovirus; Coxsackie		Refer to Immunology		IC		

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Environmental specimen		Swabs		Refrigerate	ES		Funded
Erythropoietin	EPO screen	Red		Separate serum and freeze	ERP	CHL	Funded
ESBL Screen	Extended Spectrum Beta Lactamase	Faeces		Refrigerate	EB	OTG	Funded
ESR	Erythrocyte sedimentation rate; sed rate	Black ESR tube	Subject to acceptance criteria. Will only be processed if the request has been discussed with a haematologist, or if one of the following indications is documented on the request form: Systemic lupus erythematosus (SLE); Rheumatoid arthritis; Kawasaki Disease; Rheumatic fever; Hodgkin lymphoma; Temporal arteritis; Giant cell arteritis; Suspected prosthetic joint inflammation; Paediatric Inflammatory bowel disease including Crohn's; Growth failure in children; All rheumatology patients (incl. Dr Chin Timaru); All paid requests		ESR		Funded
ESR Influenza Surveillance	Influenza like illness surveillance	Viral specimen		This is not the usual influenza test. This one is specifically for ESR Surveillance. Refrigerate until sent	MTR	ESR (W)	
Ethylene Glycol	Antifreeze	Red	Must be sent to lab on ice; Must be gel-free blood tube	Separate serum/plasma and refrigerate	ETG	CHL	Funded
Ewing Sarcoma			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MGR	CHL	Unfunded
Extended differential		Lavender			XDF; CBC		Funded
Extended spectrum beta Lactamase		Urine, swab or faeces		Refrigerate	EB	OTG	Funded
F actin Antibodies		Yellow		centrifuge	FAA	Wellingt on SCL	
Factor V Leiden & Prothrombin 20210 Gene Mutation	Leiden V	Lavender; Dedicated tube that cannot be used for other tests	Requires Haematologist approval (note, patient cannot pay to avoid need for haematologist approval); Part of Thrombophilia screen; Both tests are done in combination	Send whole tube; Specimens to Haematology	TMG	OTG	Funded (haematologist approval)
Factor VIII binding assay	FVIII binding assay		Must be approved by haematologist; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Must be approved by haematologist	MSE	CHL	Funded
Factor Xa, anti	Anti-Xa assay; Anti 10a levels; Heparin assay	Blue - fill to line; collect 4-hours post LMW heparin	Deliver immediately to laboratory; Mark top of tube	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	AXA	CHL	Funded
Faecal fat					Not available - refer to faecal steatocrit		Not available
Faecal osmolar gap	Stool osmotic gap	Faecal sample - MUST be fully liquid. Formed samples not suitable for analysis		Must notify chemistry (procedure in their special tests manual); This is not the primary test to screen for laxative abuse; see the send-away "laxative screen" which is sent to CHL	FEL	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Faecal steatocrit	Steatocrit	Faecal pottle	Note this test is ONLY funded for general surgeons & Gastroenterologists. Find out if a doctor is a general surgeon on the Medical Council website; See CHL diet advice; Do not give laxatives; Special funding approval for patient SUW6362 29/09/17	Refrigerate	FFE	LabPlus	General Surgeon or Gastroenterologist
Familial Defective ApoB Genotype		Lavender	Do NOT centrifuge; Do NOT freeze; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT centrifuge; Do NOT freeze	MSE	CHL	Funded
Farmers Lung Ab	Hypersensitivity Pneumonitis (HSP)	Yellow		Separate serum	FLA	CHL	Funded
Fat globules	Fat stain		Not available; Send to Microbiology for comment		MC		Funded
Ferritin		Yellow		Centrifuge	FER		Funded
Ferroportin mutation					Test not available - refer to haematologist		Unfunded
Fertility Hormones	Reproductive hormones; Includes LH, FSH, Prolactin	Yellow		Centrifuge	LH; FSH; PRL		Funded
FGFR1		Green		Send whole sample; Do NOT refrigerate	MGR	IGENZ	Unfunded
Fibrinogen		Blue - fill to line	Mark top of tube	Centrifuge 10-minutes	FIB		Funded
Fibrinogen - Antigenic			Refer enquiries to Haematology, Dunedin		MSE		Unfunded
Fibrinogen Gene Studies	Fibrinogen genetic sequencing	3x Blue and 1x Lavender	Mark top of tubes. Haematologist approval required	Do NOT refrigerate	MGR; COA; TCT	CHL	Funded
Fibronectin (foetal)	Foetal fibronectin	Special swab	Test not available - refer to biochemistry lab				
Filaria	Filariasis; Microfilaria; Filarioidea	Lavender			FIL		Funded
Fine Needle Aspirate	FNA	Special aspirate. May be in SurePath vial	Pathologist to collect	Result is processed in Lab Solutions	LSF	OTG	Funded
FISH - 13q Deletion	CNS anomalies	various			HII	IGENZ	
FISH - 15q deletion			Refer to Wellington Regional Genetics protocol		HFI	Wellington Regional Genetics	Funded
FISH - 17p11 deletion	Rituximab for CLL		Refer to Wellington Genetics protocol		FII	Wellington Regional Genetics	

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
FISH - 1p36/1q25 & 19p13/19q13	Oligodendroglioma	various	Refer to IGENZ protocol		FII	IGENZ	Funded
FISH - 22q11 deletion	DiGeorge syndrome; Opitz G/BBB syndrome; Cayler cardiofacial syndrome	Green	Mon - Thurs ONLY (urgent by arrangement); Do NOT refrigerate; Do NOT freeze	Do NOT refrigerate; Do NOT freeze	GFI	Wellington Regional Genetics	Funded
FISH - ALK	2p23	various	Refer to IGENZ protocol		MSE	IGENZ	Funded
FISH - AneuVysion Probeset			Refer to Wellington Regional Genetics Protocol		GFI	Wellington Regional Genetics	Funded
FISH - BCL6		Blood or bone marrow			FII	IGENZ	
FISH - DDIT3		various	Refer to IGENZ protocol		MSE	IGENZ	Funded
FISH - FGFR(8p12)		Blood or bone marrow			FII	IGENZ	
FISH - FUS	16p11 deletion; amyotrophic lateral sclerosis	various	Refer to IGENZ protocol		MSE	IGENZ	Funded
FISH - IGH/BCL2		various	Refer to IGENZ protocol		MSE	IGENZ	Funded
FISH - MDM2/13q/16q		various	Refer to IGENZ protocol		MSE	IGENZ	Funded
FISH - MYC		various	Refer to IGENZ protocol		FII	IGENZ	Funded
FISH - POC		various			QFP	Wellington Regional Genetics	Funded
FISH - ROS1		various	Refer to IGENZ protocol		MSE	IGENZ	Funded
FISH - SS18		various	Refer to IGENZ protocol		MSE	IGENZ	Funded
FISH - TP53 t(4;14)t(14;16)	Loss of TP53	Blood or bone marrow			FII	IGENZ	
FISH - Trisomy 21		various			QFP	Wellington Regional Genetics	Funded
FISH - X, Y, 13, 18, 21		various			QFP	Wellington Regional Genetics	Funded
Flecainide	Tambacor	Red		Separate serum	FLE	CHL	Funded



Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Flow Cytometry	Cell markers; Immunophenotyping	Can be FNA; Tissue; or Fluid		Sites outside Dunedin MUST notify Immunology that a sample has been received. Refer inquiries to Immunology	FC	OTG	
FLT3 ITD PCR	Internal tandem duplication	Lavender		Send whole sample; Do NOT refrigerate	FID		Funded
FLT3 Tyrosine Kinase Domain Mutation		Lavender			FKD		
Flucloxacillin		Red			FCX	CHL	Funded
Flucytosine		Red			MSE	CHL	Funded
Fluid Albumin		Fluid	To chemistry STAT bench	Site code required	FAL		Funded
Fluid Amylase		Fluid	To chemistry STAT bench	Site code required	FAM		Funded
Fluid Bilirubin		Fluid	To chemistry STAT bench	Site code required	FBI		Funded
Fluid Chloride		Fluid	To chemistry STAT bench	Site code required	FCL		Funded
Fluid Cholesterol		Fluid	To chemistry STAT bench	Site code required	FCH		Funded
Fluid Chylomicrons		Fluid	To chemistry STAT bench	Site code required	FCY	OTG	Funded
Fluid Creatinine		Fluid	To chemistry STAT bench	Site code required	FCR		Funded
Fluid Glucose		Fluid	To chemistry STAT bench	Site code required	FLG		Funded
Fluid Lactate		Fluid	To chemistry STAT bench	Site code required	FLL		Funded
Fluid LDH		Fluid	To chemistry STAT bench	Site code required	FLD		Funded
Fluid Osmolality		Fluid	To chemistry STAT bench	Site code required	FLO		Funded
Fluid pH		Fluid in syringe	To chemistry STAT bench	Site code required	FPH		Funded
Fluid Phosphate		Fluid	To chemistry STAT bench	Site code required	FFO		Funded
Fluid Protein		Fluid	To chemistry STAT bench	Site code required	FLP		Funded
Fluid Triglycerides		Fluid	To chemistry STAT bench	Site code required	FLT		Funded
Fluid Urea		Fluid	To chemistry STAT bench	Site code required	FUE		Funded
Fluoride - BLOOD	Fl; F-	Yellow		Separate serum	FLU	CHL	Funded
Fluoride - URINE	Fl; F-	Urine - fresh random collection	Collect at end of work shift		UFL	CHL	Funded
Fluoxetine	Prozac	Red		Separate serum	FLX	CHL	Funded
Folate (RED CELL)	RCF; Red cell Folate		Test no longer available	RCF panel code reports 'test unavailable' comment	RCF	OTG	Not available
Folate (SERUM)	Folic Acid	Yellow		Centrifuge	BFO		Funded
Fragile X		Lavender		Send whole tube; Do NOT refrigerate	FRW	Wellingt on Regional Genetics	Funded
Free androgen index	FAI; Includes testosterone and SHBG	Red		Separate serum	FAI	OTG	Funded
Free fatty Acids		Lavender on ice	Place on ice and deliver to lab promptly; Separate within 30 minutes	Separate plasma and freeze	FFA	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Free light chains - SERUM	SFLC; FLC; kappa lambda ratio	Yellow		Separate serum	FLC	OTG	Funded
Free PSA		Yellow	Males only; Do NOT collect post prostatic massage	Centrifuge - Do PSA first	FPS	OTG	Funded
Free T3	Tri-iodothyronine; FT3; T3	Yellow	Note if on Thyroxine	Centrifuge	NT3		Funded
Free T4	Thyroxine; FT4; T4	Yellow	Note if on Thyroxine	Centrifuge	FT4		Funded
Free Testosterone		Red	See FAI		FAI	OTG	Funded
Fructosamine		Yellow		Pathologist Approval required. Transport samples via Dunedin to Northland Pathology	FRU	NPL	Funded
FSH		Yellow		Centrifuge	FSH		Funded
Fungal clipping	Mycology; Nail Clipping	Nail clipping		Site code required	FU	OTG	Funded
Fungal scraping	Mycology; Skin scrapings	Skin scraping		Site code required	FU	OTG	Funded
FVIII Chromogenic assay		2x Blue		Forward to haematology within 2 hours of draw; Tested by LabPlus	CFV	LabPlus	Funded
G6PD	Glucose-6-phosphate dehydrogenase	Lavender	Do NOT centrifuge	Send whole tube	G6P	LTA	Funded
GAD antibodies	Anti-GAD; Glutamic acid decarboxylase; Anti glutamic acid decarboxylase	Yellow		Separate serum. Forward to Immunology Dunedin	GAD	OTG	Funded
Galactomannan	Aspergillus Galactomannan	Yellow	A dedicated sample is required - must NOT be shared; Must be approved by Clinical Microbiologist	Serum sample should be spun, separated and serum frozen at -20 degrees as soon as possible; Must not be shared	GMN	Wellingt on SCL Immunology	Funded
Galactose screen (BLOOD)	Guthrie Card	Air dried blood spot on Guthrie card	DO NOT ENCLOSE WET CARD IN PLASTIC BAG. Place dry card in paper envelope	Ensure blood spots are dry	GLT	LabPlus	Funded
Galactose-1-phosphate	Galactose screen; Guthrie Card	Air dried blood spot on Guthrie card	DO NOT ENCLOSE WET CARD IN PLASTIC BAG. Place dry card in paper envelope	Adults and children: See Galactose Screen; Newborns (under 1 month): See Newborn Metabolic Screening			
Ganglionic acetylcholine receptor autoantibodies	G-AchR; nicotinic ganglionic acetylcholine receptor; gamma-3-AChR; ganglio nicotine AchR antibodies	Yellow	Must be approved by a neurologist	Specialist test, do not confuse with regular Acetylcholine Receptor Antibodies. Sent to Oxford via LabPlus		LabPlus	Funded
Ganglioside antibodies	Anti-glycolipid antibodies; GM1 antibodies; GQ1b antibodies	Yellow		Must be serum. CSF will not be tested. Refrigerate samples. Centrifuge. All requests must be reviewed by immunology department before sending	MSE	LabPlus	Funded
GAS Study	Group A Strep Study	Swab received from Labtests		Refrigerate; Assign SCL Ultra lab number, scan and enter in OTG. Referrer code: OTGAS; Forward sample to Molecular Pathology	REV	OTG	Bill to: GAS
Gastrin		Yellow	Fasting overnight 10+ hours. Place on ice and deliver to lab promptly	Separate serum and freeze within 1-hour of collection	GAS	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Gene mutation - ADSL	Bratton Marshall	Urine - random		Send frozen to CHL	MGR	CHL	Funded
Gene Mutation - GJB2/GJB6	Connexin 26; hereditary deafness	Lavender	Do NOT centrifuge; Do NOT freeze; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT centrifuge; Do NOT freeze	MGR	CHL	Funded
Gene Mutation - HMSNL	Hereditary Sensory Motor Neuropathy	Lavender	Do NOT centrifuge; Do NOT freeze; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT centrifuge; Do NOT freeze	MGR	CHL	Funded
Gene mutation - HNF1	Part of MODY 3 testing	2x Lavender	Refer to LabPlus protocol at <a href="http://testguide.adhb.govt.nz/eguidemob">testguide.adhb.govt.nz/eguidemob</a>		MGR	LabPlus	Funded
Gene mutation - HNPCC	Hereditary nonpolyposis colorectal cancer		Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MGR	CHL	Funded
Gene Mutation - HNPP	PMP 22; Pressure/sensory neuropathy	2x Lavender	Refer to Wellington Regional Genetics Protocol		MGR	Wellington Regional Genetics	Funded
Gene Mutation - MELAS	Mito DNA; Kearns-Sayre Syndrome		Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Gene mutation - MODY 2/3	MPSE	2x Lavender	Refer to LabPlus protocol at <a href="http://testguide.adhb.govt.nz/eguidemob">testguide.adhb.govt.nz/eguidemob</a>		MGR	LabPlus	Funded
Gene mutation CYP11B/CYP11B2	Primary hyperaldosteronism genetic test			Restricted to Endocrinology and Renal Departments	MSE	Wellington SCL Molecular Pathology	
General microbiology	Culture	Swab		Refrigerate; Site code required	S		Funded
Genetic testing	Molecular Genetics		Check disease being investigated. Check funding source. Genetic Counselling Service consent form may be required; Wellington Regional Genetic Service, Wellington, 04 385 5352 or Genetic Health Service (Chch) 0508 364 436	Do NOT refrigerate; Do NOT centrifuge	MGR	Wellington Regional Genetics	Unfunded
Genital culture	Swab	Swab		Refrigerate; Site code required	GS		Funded
Gentamicin		Yellow	Trough= immediately pre-dose; Peak = 30 minutes post end of IV	Centrifuge	GDM		Funded
GFR	Glomerular Filtration Rate; eGFR	Yellow		Centrifuge	CRE		Funded
GGT	Gamma glutamyl transferase	Yellow		Centrifuge	GGT		Funded
Glomerular basement membrane	GBM; Anti GBM; Basement membrane	Yellow		Separate serum	GBA	Wellington SCL	Funded
Glucagon		Lavender	Place on ice and deliver to lab promptly	Separate plasma and freeze	GLG	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Glucose (BLOOD)		Grey or Yellow	Note fasting status; Yellow tube must be at laboratory within 3-hours	Centrifuge; Yellow tube must be separated within 4-hours	FGL (grey) or GLU (yellow)		Funded
Glucose (URINE)		Urine - random collection			UPG		Funded
Glucose Tolerance Test - 50g	Polycose Challenge, 50g GTT	Grey or Yellow	Non-fasting. Collect 1-hour after 50g load; Yellow tube must be at laboratory within 3-hours	Centrifuge; Yellow tube must be separated within 4-hours	PFG (grey) or PGL (yellow)		Funded
Glucose Tolerance Test - 75g	GTT	2x Grey	Patient must have fasted 8-14 hours. Collect fasting specimen and 2-hours post 75g load . Write time of collection on both tubes	Mark top of both tubes	GTT		Funded
Glucose Tolerance Test - extended	Extended GTT; Prolonged GTT	Grey	Write time of collection on all tubes	Mark top of all tubes	PGT		Funded
Glucosylsphingosine	Gaucher disease monitoring; Chitotriosidase	Lavender	Note: only approved for testing of patients with Gaucher disease. Lavender tube cannot be shared with other tests	Separate and freeze EDTA plasma	MSE	CHL	Funded
Glycogen Storage Disease		Refer to CHL	Refer to CHL guide	Refer to CHL guide		CHL	
Gonadotrophin alpha subunit		Red	Place on ice and deliver to lab promptly	Separate serum and freeze	GAL	CHL	Funded
Gonadotrophins	Includes FSH & LH	Yellow	Note date of last menstrual period	Centrifuge	FSH; LH		Funded
Green Cross Health Workplace	Commercial account. Example of request form here: SCL_CSCL_MLS_WSCL Request Form 29.5.17.pdf		Commercial account. Tests as listed on the form. No payment required from the patient				
Group and antibody screen		Pink	Payment required unless diagnostic; Hand label with full name and DOB/NHI; Under 1 month old send to NZBS	Do not separate	GPA	OTG	Funded
Group and antibody screen - male		Pink	Payment required unless diagnostic; Hand label with full name and DOB/NHI; Under 1 month old send to NZBS	Do not separate	GPM	OTG	Funded
Group and Hold		Pink	DO NOT use printed labels; Label with full name, DOB, NHI, date and time of collection + sign tube	Send whole tube	CRO	NZBS	Funded
Group B Streptococcal Screen	Gp B Strep; Combined Vaginal / Rectal swab	Combined Vaginal / Rectal swab		Refrigerate	GBS	OTG	
Growth Hormone	hGH; Somatotrophin	Yellow	Patient should be un-stressed and preferably fasting (overnight)	Separate serum and freeze on site before despatch	GRO	Wellingt on SCL	Funded
Guthrie Card			The Guthrie Card is a sample type, not a test. The card is usually used for Newborn Metabolic Screening, but may be used for a variety of other tests. You need to clarify exactly what test is desired				
Haemochromatosis gene	HLA-H; HFE gene	Lavender	Dedicated tube not to be used for other tests	Send whole blood	HHM	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Haemoglobin F	Hb F	Lavender			HBF	LabTests	Funded
Haemoglobin H		Lavender			HBH	OTG	Funded
Haemolytic Screen	Haemolysis screen; Includes: CBC, reticulocytes; haptoglobin; total & conjugated bilirubin, Direct Antiglobulin Test	Lavender and Yellow and Blue	Circle top of Lavender tube; Do NOT refrigerate Blue; DAT; Dunedin: Under 1 month old, send to NZBS	Circle top of Lavender tube; Centrifuge Yellow; Do NOT refrigerate Blue; DAT Dunedin only - send to Blood Bank after hours	CBC; RET; HAP; BIL; DBI; DCT	OTG	Funded
Haemophilia A Gene Testing	Factor VIII Gene Testing; FVIII gene		Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		FI2	CHL	Funded
Haemophilus influenzae	H. Influenzae; Anti HIB	Yellow		Separate serum	HIB	CHL	Funded
Haemosiderin		Urine - early morning (preferred) or random collection			HSD		Funded
Haloperidol	Serenace	Green	Collect pre-dose	Separate plasma	HAL	CHL	Funded
Handling - Clinical Trials			For clinical trials/studiers unless indicated otherwise on the request form		ALQ	OTG	
Haptoglobin		Yellow		Centrifuge	HAP		Funded
HbA1c	Glycated haemoglobin; GLHB	Lavender or Grey		Send whole blood	GLY	OTG	Funded
HCG - Pregnancy	$\beta$ -HCG; Quantitative HCG; Chorionic gonadotrophin; Pregnancy test (BLOOD)	Yellow	Note date of LMP	Centrifuge	HCG		Funded
HCG - Tumour marker	Tumour $\beta$ -HCG; Quantitative HCG; Chorionic gonadotrophin	Yellow		Centrifuge	TCG		Funded
Health Sciences Screening		2x Yellow; 1 set QFG		Doctor Code = GCSTU; Bill to Code = HSSM; Refer to this link or studies folder for sample processing instructions	=HSSM	OTG	
Heat shock protein 65 gene	HSP; Tropheryma whipplei		Contact Canterbury Health Laboratories	Contact Canterbury Health Laboratories	MGR	CHL	Funded
Heinz bodies		Lavender	Mark top of tube	Whole Blood	HGB		Funded
Helicobacter pylori antibodies (BLOOD)	H. pylori	Yellow		Centrifuge	HPY		Funded
Helicobacter pylori antigen (FAECES)	Faecal H. pylori	Faeces			FHA	OTG	Funded
Hepatitis A Total or IgM	Hepatitis A immune status; HAV	Yellow		Immunology will add HGM if required	HAI	OTG	Funded
Hepatitis B	HBV		Confirm tests required with referrer - surface antigen (HEG) or surface antibody (HEB) ?		??		Funded
Hepatitis B core antibody	anti-HBc; HBcAb	Yellow			HBC	OTG	Funded
Hepatitis B DNA	Hepatitis B PCR; HBV-DNA; Viral Load - Hepatitis B	2x Lavender; Dedicated tubes required that cannot be used for other tests	Deliver to Dunedin Mol Path by 5pm same day or separate and freeze plasma	Separate plasma into viral load tube supplied by Dunedin Mol Path; Transport frozen	HEV	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Hepatitis B e antibody	Anti-HBe; HBeAb	Yellow		Separate serum	AHB	Wellingt on SCL	Funded
Hepatitis B e antigen	HBeAg	Yellow			HEE	OTG	Funded
Hepatitis B genotype	Hepatitis B resistance; Hepatitis B susceptibility; Lamivudine resistance; YMDD mutation analysis	2x Lavender	Deliver to Dunedin Mol Path by 5pm same day or separate and freeze plasma	Separate plasma into viral load tube supplied by Dunedin Mol Path; Transport frozen	MSE	OTG	Funded
Hepatitis B neutralisation			Immunology to check	Must be sent to ESR on an ESR form	HBS	ESR (K)	Unfunded
Hepatitis B surface antibody	Anti-HBs; HBsAb	Yellow	Plasma samples NOT acceptable - NO green or lavender allowed!	Centrifuge	HEB		Not Funded for Immunity Check, Workplace testing, travel, sports
Hepatitis B surface antigen	HBsAg	Yellow		Centrifuge	HEG		Funded
Hepatitis C	HCV; Anti HCV	Yellow		Centrifuge	HCV	OTG or STH	Funded
Hepatitis C genotype	HCV genotype	2x Lavender; Dedicated tubes required that cannot be used for other tests	Deliver to Dunedin Mol Path by 5pm same day or separate and freeze plasma; STH; Separate and freeze plasma	Separate plasma into viral load tube supplied by Dunedin Mol Path; Transport frozen	PCR	OTG	Funded
Hepatitis C IL28B	IL28B gene		No longer available				
Hepatitis C immunoblot			Immunology to check	Must be sent to ESR on an ESR form	HCI	ESR (K)	Unfunded
Hepatitis C NS5A Drug Resistance	Hepatitis C Resistance Testing	Lavender - Dedicated tube that cannot be used for other tests	Deliver to Dunedin Molpath by 5pm same day or separate and freeze plasma	Separate plasma into viral load tube, supplied by Dunedin Molpath; Transport frozen; Please forward all requests to Molpath Dunedin who will forward to LabPlus	HCN	OTG	Funded
Hepatitis C viral load	Hepatitis C Antigen / PCR / RNA	2x Lavender; Dedicated tubes required, that cannot be used for other tests	Deliver to Dunedin Mol Path by 5pm same day or separate and freeze plasma; STH; Separate and freeze plasma	Separate plasma into viral load tube supplied by Dunedin Mol Path; Transport frozen	HCL	OTG	Funded
Hepatitis D	Delta virus; HDV; Anti HDV	Yellow	Request MUST be approved by Microbiologist	Separate serum; Must be sent to ESR on an ESR form	HED	ESR (K)	Funded
Hepatitis E antibody (serology)	Anti HEV; hepatitis E antibody (serology)	Yellow	Request MUST be approved by Microbiologist; Clinical details required	Clinical details required Separate serum	HPE	Wellingt on SCL	Funded
Hepatitis E PCR		Lavender	MUST be approved by a microbiologist	MUST be approved by a microbiologist. See LabPlus information <a href="http://testguide.adhb.govt.nz/EGuide/?cgl=1076">http://testguide.adhb.govt.nz/EGuide/?cgl=1076</a>	MSE	OTG	Funded
Hepatitis Screen					Confirm tests required with referrer		
HercepTest	HER2 protein; Herceptin screening	Tissue	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	IGENZ	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Hereditary Motor and Sensory Neuropathy					Refer to Charcot Marie Tooth		Funded
Herpes Simplex PCR/DNA - Blood	HSV Blood; HSV PCR	Lavender	Must be approved by Microbiologist	Please phone Molpath Dunedin 03 470 2949		OTG	
Herpes simplex PCR/DNA - Swab	HSV Viral swab	Orange swab		Refrigerate	V	OTG	Funded
Herpes simplex serology / antibody	HSV; Herpes simplex type 1 and 2; HSV EIA	Yellow	Onset date of illness desirable	Separate serum	HVA		Funded
Herpes virus 6 SEROLOGY	Human Herpes virus 6	Yellow		Send refrigerated to CHL	HV6	CHL	Funded
Herpes zoster PCR / DNA	Chicken pox; Varicella zoster; Varicella zoster IgM; Shingles	Orange swab		Refrigerate	V	OTG	Funded
Herpes zoster serology - Immune Status	Chicken pox serology; Varicella zoster; Shingles; Zoster serology	Yellow		Centrifuge	VZA		Unfunded for immune status; Funded for clinical reasons
High Sensitivity CRP	hs CRP; ultra-sensitive CRP; us-CRP; Sensitive CRP	Yellow	This is not the same as 'regular' CRP; Specialist referral or Patient Paid only	Separate serum	SCR	OTG	Specialist or patient paid only
Hippuric Acid	Toluene	Urine - fresh random collection	Collect immediately after exposure to Toluene; Place on ice and deliver to lab promptly		MSE	CHL	Funded
Histology		Tissue	Contact histology ASAP if tissue is not in formalin	Contact histology ASAP if tissue is not in formalin; Result is processed in Lab Solutions	LSH		Funded
Histology - Bowel Screening	Bowel Screening Histo Specimen; NBSP	Tissue	Contact histology ASAP if tissue is not in formalin	Contact histology ASAP if tissue is not in formalin. Note this panel is only for specimens sent via the National Bowel Screening Program. Result is processed in Lab Solutions	BSP	OTG	
Histology - Cell Block	Cell block histology			Usually added by histo department staff. Result is processed in Lab Solutions	ICB	OTG	
Histology - Eye	Eyeball; Ocular specimen for Histology; Globe histology; Enucleated eye	Literally an eyeball	Contact histology ASAP if tissue is not in formalin	Contact histology ASAP if tissue is not in formalin; Result is processed in Lab Solutions	LSH and EYE	OTG	
Histology - Frozen Section		Fresh tissue	Contact histology ASAP	Frozen sections are always VERY URGENT. Contact Histology immediately. SeeDunedin chart	FRO only	OTG or STH	Funded
Histone Antibodies		Yellow			HSB	CHL	Funded
Histoplasma Ab		Red	Travel history required; Clinical details required	Travel history required; Clinical details required	MSE	CHL	Unfunded
HIT Antibody	Heparin induced thrombocytopenia; Heparin induced antibody	Red; Yellow top is not suitable	Requires Haematologist approval (note, patient cannot pay to avoid need for haematologist approval)		HIT	OTG	Funded (haematologist approval)

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
HIV	HIV-1; HIV-2; P24 antigen; Human Immunodeficiency Virus	Yellow		Centrifuge	HIV		Funded
HIV genotype	HIV resistance; HIV susceptibility	2x Lavender; Dedicated tubes required that cannot be used for other tests	Deliver to Dunedin Mol Path by 5pm same day or separate and freeze plasma	Separate plasma into viral load tube supplied by Dunedin Mol Path; Transport frozen	ASH	LabPlus	Funded
HIV viral load	HIV DNA; HIV PCR; Viral Load - HIV	2x Lavender; Dedicated tubes required, that cannot be used for other tests	Deliver to Dunedin Mol Path by 5pm same day or separate and freeze plasma	Separate plasma into viral load tube supplied by Dunedin Mol Path; Transport frozen	VRL	OTG	Funded
HLA B27	B27; HLAB27; HLAB*2701-2759; Ankylosing Spondylitis	Lavender - can not be shared with any other test	Do NOT centrifuge	Dedicated tube not to be used for other tests	HLA		Funded
HLA-B5701	Abacavir hypersensitivity for HIV treatment	Lavender	Do NOT centrifuge	Send whole blood to NZ Blood Service in Dunedin (who will forward it to Auckland). Do NOT refrigerate. Testing is funded by NZ Blood Service	HLB	NZBS	Funded
HLA-DQ	HLA DQ 2/8; Coeliac gene testing	Lavender	Do NOT centrifuge, Do not share with other tests	Send whole blood sample to Molpath Dunedin for demand managing. If testing is to proceed Molpath will send to CHL	HLQ	CHL	Funded
HMG - CoA Reductase antibodies		Yellow		<i>*Notify Dunedin Immunology*</i>	IC and notify immunology	CHL	
HMMA	4-Hydroxy-3-methoxymandelic acid; Hydroxymethoxymandelic acid	Urine	Random or 6-hour collection, acidified. Only available for children < 15 years old. Avoid foods containing vanilla for 3 days. Warn patient about acid in bottles	Record volume	CTM	Wellingt on SCL	Funded
Home visit fee	House call charge	N/A		This panel is only used for billable home visits which are very rare (e.g. a non-citizen having a home visit)	HMV	N/A	
Homocysteine (BLOOD)		Lavender	Place on ice and deliver to lab promptly; Fasting recommended	Separate plasma within 4 hours and freeze	HCY	CHL	Specialist or patient paid only
Homocysteine (URINE)			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		Test no longer recommended		Not available
Homogentisic acid	Metabolic profile	Urine - fresh random collection	Deliver to laboratory within 4-hours	Freeze aliquot and store second	UMP	CHL	Funded
HPV	HrHPV; High Risk Human Papillomavirus; Digene test	SurePath Vial	Must meet screening program criteria (anal smears never qualify)	Refrigerate; Add PVC panel to Ultra at all times	PVC	OTG	Funded
HSP			CHECK: Do they mean Hypersensitivity Pneumonitis or Heat Shock Protein??			OTG	Funded
Hsp 70	Inner Ear antigen						Not available
HTLV 1 / HTLV 2	Human T-lymphotropic virus; human T-cell leukemia-lymphoma virus	Yellow		Separate serum	HTL	CHL	Funded
Human Coronavirus NAAT	Bird flu	various	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded



Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Human Herpes virus 6 PCR	HHV6	Lavender	Request MUST be approved by Microbiologist; Clinical details required; Monday or Tuesday only	Send whole blood; Clinical details required; Monday or Tuesday only	MSE	CHL	Funded
Human Herpes virus 8 PCR	HHV8; Kaposi's sarcoma associated herpes virus (KSHV)	Lavender OR fresh tissue in sterile plastic container on ice	Request MUST be approved by Microbiologist. Clinical details required	If fresh tissue is received, freeze and send to LabPlus ASAP. (Fresh or frozen tissue gives the best results, but fixed or embedded tissue can be used if a fresh sample is not available.); [This is not a common test - do not confuse this with HHV6]	MSE	LabPlus	Funded
Huntington's gene test	Gene mutation HNT; Huntington's chorea	2x Lavender	Must be on Wellington Regional Genetic Services request form	Send whole blood	MGR	Wellington Regional Genetics	Funded
Hydatid	Echinococcus granulosus	Yellow		Separate serum	HYD	Wellington SCL	Funded
Hydroxy progesterone	**May be part of a Synacthen test**; 17-OH Progesterone; 17 $\alpha$ hydroxy progesterone; Progesterone - 17-OH	Yellow	If part of Synacthen test, both PRE and POST samples are required; If part of Synacthen test, notify Dunedin Chemistry	Separate serum. If part of Synacthen test, both PRE and POST samples are required. If part of Synacthen test do not send to MPA. Notify Dunedin Chemistry; Refer to memo here	HYP	CHL	Funded
Hydroxyproline	OH-proline		This test is no longer offered	This test is no longer offered	TD	N/A	Not available
IA2 antibodies		Yellow		Separate serum. Forward to Immunology Dunedin	IA2	OTG	Funded
IgA		Yellow	Part of panel IMM	Centrifuge	IGA		Funded
IgD		Red			MSE	CHL	Funded
IgE	Total IgE	Yellow		This test is called Total IgE. Take care not to mix this up with specific IgE also known as EAST testing	IGE	OTG	Funded
IGF-1	Insulin-like growth factor-1; Somatomedin-C; ILG-1	Yellow		Separate serum and freeze	IGF	CHL	Funded
IGF-BP3	Insulin-like growth factor binding protein 3	Yellow	Specialist referral or Patient Paid only	Separate serum and freeze	IGB	CHL	Specialist or patient paid only
IgG subclasses		Yellow		Separate serum	IGG	Wellington SCL	Funded
IgH Gene PCR			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		IGH	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Illumiscreen	Non invasive prenatal test; NIPT	Streck cell free DNA tube	PAYMENT REQUIRED Read instructions here IllumiScreen Procedure SCL, CSCL, MLS, MLH, 17.12.18.pdf Samples must be received at Labtests Auckland within 5 days of collection	Do not add ADM or DRW Store sample at Room Temperature. Read instructions here IllumiScreen Procedure SCL, CSCL, MLS, MLH, 17.12.18.pdf Samples must be received at Labtests Auckland within 5 days of collection; After receipting goes to sendaway bench; All enquiries to LTA, 027 564 6520 or enquiries@illumiscreen.co.nz	NIP	LabTests	Unfunded
Imatinib	Drug level	Lavender		Separate and send 1ml EDTA plasma	MSE	CHL	Unfunded
Imipramine		2x Red	Collect 19-hours post-dose	Separate serum	IMI	CHL	Funded
Immigration (Limited Medical Certificate)	Includes: CBC, CRE, eGFR	Yellow and Lavender	e-Medical form required; Payment required	Confirm payment received	=IMM; ADM; DRW	OTG	
Immigration (Standard)	Includes HIV, SY, HEG, CRE, CBC, HCV, HbA1c	2x Yellow and 2x Lavender	e-Medical form required; Payment required	Confirm payment received	=IMM2; ADM; DRW		Unfunded
Immigration DNA sampling	Immigration test to confirm family relationship	Buccal swab	Kits and courier bags available from Dunedin processing	Dr code = CELL; Bill to code = CELL	DNC		Unfunded
Immunofixation	Includes EPP	Yellow		Includes EPP	IMF	OTG	Funded
Immunoglobulins	Ig's; Includes IgG, IgA, IgM	Yellow		Centrifuge	IMM		Funded
Influenza virus serology		No sample required - test not available		Not available; refer enquiries to Medical Microbiologist			
Inhibin B		Red	Deliver to laboratory within 2-hours	Separate serum and freeze	INH	CHL	Funded
Inner ear antigen							Not available
INR	Prothrombin; PR	Blue - fill to line	Deliver to laboratory same day	Centrifuge 10-minutes	PR		Funded
INR (i-STAT)	INR; Prothrombin	Capillary sample (finger prick)	Testing on the i-STAT hand-held analyser only	Do not use anticoagulated blood	INI		Funded
Insulin	Free Insulin	Yellow	Specialist referral or patient paid only; Patient should be fasting; Haemolysed specimen not suitable	Separate serum/plasma and freeze on site before despatch	INS	Wellingt on SCL	Specialist or patient paid only
Insulin antibody	Antibody to exogenous insulin	Red	On ice; Haemolysed specimens not suitable	Separate serum and freeze	PIA	CHL	Funded
Insulin autoantibody	Antibody to endogenous insulin	EDTA		Separate sample and freeze plasma / serum	MSE	LabPlus	Unfunded
Intrinsic factor antibodies	IF antibodies	Yellow		Centrifuge	IFA		Funded
Iodine (URINE)	I	Urine - 24-hour or random collection	Specialist referral or Patient Paid only	Measure and record urine volume. Send one aliquot and store second	UIO	CHL	Specialist or patient paid only
Ionised Calcium	I. Ca	Blood Gas Syringe	URGENT - Send immediately to laboratory		CAI	OTG or STH	Funded
Iron - Liver		Biopsy	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		LIC	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Iron Studies	Fe; Fe studies; Iron binding, IBC; TIBC; Transferrin; Includes Iron, Ferritin and transferrin / TIBC	Yellow		Centrifuge	STU		Funded
Islet cell antibodies		Yellow		Separate serum	ICA	CHL	Funded
Isoniazid	Rifinah	2x Red		Separate serum	ISN	CHL	Funded
i-stat FLUID				Available for entry of i-stat results from fluids. OUTSIDE SCOPE OF ACCREDITATION	IFC	OTG	Funded
Itraconazole		Red	On ice; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	On ice	ITR	CHL	Funded
JAK2 Exon 12 mutation	Diagnostic test	Lavender		Only to be tested if JAK2 V617F is negative; Send whole sample, Do NOT refrigerate; Refer to Haematology	J12	CHL	Funded
JAK2 mutation	Janus Kinase 2; JAK2 V617F	Lavender Dedicated tube required, that cannot be used for other tests	Monday to Thursday ONLY; Include date and time of collect plus recent WBC	Send whole blood; Ambient or 4°C; Refer to Haematology	JAK	Wellington SCL Molecular Pathology	Funded
Japanese B encephalitis serology		Yellow	Travel history required; Clinical details required; Microbiologist approval required	Travel history required; Clinical details required; Microbiologist approval required; Immunology/microbiologist will organise sendaway	ARB		Unfunded
JC virus PCR	Polyoma virus PCR; John Cunningham virus PCR	CSF			MSE	LabPlus	Funded
Karyotype	Cytogenetics; Chromosome Studies	Dark Green (no gel)	Collect Monday-Thursday only. Do not collect on Fridays or before holidays. Do not refrigerate	Send whole tube	CHR	Wellington Regional Genetics	Funded
Kell antibodies		Pink		Forward whole tube to Immunology / Transfusion	RHA		Funded
Kell type - OTAGO	Kell blood group	Pink		Forward whole tube to Immunology / Transfusion	GAK		Funded
Kell type - SOUTHLAND	Kell blood group	Red		Forward whole tube to Transfusion	GAK	STH	Funded
Ketones - URINE	Acetoacetic Acid; Acetone	Urine - fresh random collection			UDC		Funded
Kingella PCR		Aspirate	Clinical Microbiologist approval required	Clinical Microbiologist approval required	KKP	CHL	Funded
KIT mutation	c-KIT acquired mutation; D816V	Lavender		Send whole sample; Do NOT refrigerate	MGH	LabPlus	Funded
Kleihauer	Foetal red cells; Foetal cell count	Lavender	Mark top of tubes; Baby's blood may be received as a control	Mark top of tubes; Add to mother's GGG file	FCC		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Klinefelter Syndrome		Green	Must be on Wellington Regional Genetic Services request form	Send whole tube; Do NOT refrigerate	MGR	Wellington Regional Genetics	
KRAS	Colorectal adenocarcinoma tumour marker	Tissue		If stated for Histology or Cytology, then send to the respective department. If not stated for Histology or Cytology, then refer to an Anatomical Pathologist		IGENZ	Unfunded
Lactate	Lactic Acid	Gas syringe	URGENT - deliver to laboratory within 10-minutes		LAC		Funded
Lactate / Pyruvate ratio		Special container - blood or CSF	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		PYR		Funded
Lactate dehydrogenase	LDH; LD	Yellow		Centrifuge; Do NOT refrigerate	LDH		Funded
Lactose Tolerance Test			Not available - Refer Dunedin chemistry		CC		Funded
Lamotrigine	Lamictal	Red		Separate plasma	LAM	CHL	Funded
Largactil	Chlorpromazine	2x Red	Collect 18-hours post dose; Note dose, time of collection and last dose; Protect from light; Place on ice and deliver to lab promptly	Separate serum; Protect from light	CHP	CHL	Funded
Laxative screen	Laxative abuse screen; stimulant laxative screen; factitious diarrhoea screen	Faeces	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Refrigerate. Note - urine is an acceptable alternative specimen. This is the test to perform if the form indicates a "laxative screen."	MSE	CHL	Funded
Lead - BLOOD	Pb; Tetraethyl lead	Navy Blue K2EDTA	Do NOT centrifuge	Send whole blood	LEA	CHL	Funded
Lead - URINE	Pb; Tetraethyl lead	Urine - 24-hour collection acid washed bottles (not the usual acid bottle); Acid Washed bottles are obtained from Canterbury Health Laboratories, Trace Metal Laboratory, Ph 03 364 0317	24-hour collection (ACID washed bottles) Warn patient of acid in bottles; Acid Washed bottles are obtained from Canterbury Health Laboratories, Trace Metal Laboratory, Ph 03 364 0317	Measure and record volume. Send one aliquot and store second	ULE	CHL	Funded
Leber's Hereditary Optic Neuropathy	Leber's DNA	Lavender	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Legionella - SEROLOGY		Yellow	Appropriate clinical details required	To immunology / Clinical Microbiologist for approval. Southland - put in MPA bag	LEG	OTG	Funded
Legionella - URINE		Urine - fresh random collection	Must be authorized by Microbiologist; Sputum for PCR is preferred	Must be authorized by Microbiologist	MC		Funded
Leishmania		Red			LMS	CHL	Funded
Leptin			This test is not available routinely. Only for research studies by special arrangement	This test is not available routinely. Only for research studies by special arrangement		OTG	Not available

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Leptospira DNA	Leptospira PCR	Blood sample to Mol Path, other sample types to Microbiology	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a> ; Must be authorized by Microbiologist	Must be authorized by Microbiologist	LED	CHL	Funded
Leptospirosis serology		Yellow		Forward to Sendaway area	LEP	CHL	Funded
Leucocyte antibodies		Yellow			WCA	NZBS	Funded
Levetiracetam		Red; Gel tubes not acceptable	Funded for pregnant patients and patients with renal failure ONLY. This must be clearly stated in the clinical details. All other requests are unfunded and to be declined. Ultra code for unapproved requests: PC/COMPL		LEV	CHL	Special restrictions
LFTs	Liver Function Tests; Includes bilirubin, ALP, GGT, ALT, AST, protein and albumin	Yellow	Centrifuge		LFT		Funded
LFTs (HOSPITAL)	Includes bilirubin, ALP, ALT, GGT, protein and albumin. Does NOT include AST	Yellow	Centrifuge		LFH		Funded
LH - BLOOD	Luteinising hormone	Yellow	Note LMP	Centrifuge	LH		Funded
Lignocaine		Green	Mon - Thurs ONLY, urgent testing by arrangement; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Limbic encephalitis antibody panel	Autoimmune encephalitis	Yellow AND/OR CSF		Check with immunology, Dunedin. Paired CSF and serum preferred. Clinical details must be provided. Refer to LabPlus guide	LES	LabPlus	Funded
Lipase	Pancreatic Lipase	Yellow		Centrifuge	LPS		Funded
LIPI profile	CHL profile, includes: GLU, UA, ELE, AST, GGT, CRE, BIL	Yellow			ELC, GLU, UA, AST, GGT, BIL	OTG	
Lipid electrophoresis		Red		Separate serum	LPE	CHL	Funded
Lipid Ultracentrifugation	Ultracentrifugation Lipoprotein	2x Lavender	Patient MUST be fasting 14-hours	Send whole blood	LPU	CHL	Funded
Lipids	Cholesterol; HDL cholesterol; LDL cholesterol; Triglycerides; Includes cholesterol, HDL, LDL, triglycerides	Yellow	Note fasting status	Centrifuge	LIP		Funded
Lipoprotein (a)	LPA; Apolipoprotein a	Green	Specialist referral or Patient Paid only	Separate plasma. Freeze plasma if transport >48 hours	LPP	CHL	Specialist or patient paid only
Lipoprotein A1 or B	Apolipoprotein	Lavender		Separate plasma	APO	CHL	Funded
Lipoprotein lipase			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Unfunded
Listeria		BLOOD CULTURE BOTTLES	Serology NOT available	Receipt 1x Z (blood culture bottle) for each bottle received. NEVER refrigerate	=BC2; BCA & BCN		Funded
Lithium	Li carbonate; LiCO <sub>3</sub> ; Li	Yellow	Collect 12-hours post-dose	Centrifuge	LIT		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Liver antibodies	LKM antibodies; Liver Kidney Microsomal antibodies	Yellow		Centrifuge	LKM; AUT	OTG	Funded
LL01	Wellness Lab: Wellness Profile	Yellow AND Lavender x2	Centrifuge SST	Note the profile has an '=' (equals sign) at the start; Profile constituents: ALB, ALT, ALP, AST, BIL, CA, CBC, CRP, FER, GGT, GLU, GLY, LIP, PO4, TP, TSH, UCL, L01	=LL01	Local	Wellness Lab (LLAB)
LL02	Wellness Lab: Blood Count Profile	Lavender AND Black		Note the profile has an '=' (equals sign) at the start; Profile constituents: CBC, ESR, L02	=LL02	Local	Wellness Lab (LLAB)
LL03	Wellness Lab: Bone Profile	Yellow AND Lavender	Centrifuge SST	Seperate & freeze EDTA plasma for PTH; Note the profile has an '=' (equals sign) at the start; Profile constituents: CA, MG, PO4, PTH, L03	=LL03	Local	Wellness Lab (LLAB)
LL04	Wellness Lab: Carbohydrate Profile	Yellow AND Lavender	Centrifuge SST. Haemolysed specimen not suitable	Note the profile has an '=' (equals sign) at the start; Profile constituents: GLU, GLY, INS, L04	=LL04	Local	Wellness Lab (LLAB)
LL05	Wellness Lab: Heart Profile	Yellow AND Lavender	Centrifuge SST	Note the profile has an '=' (equals sign) at the start; Profile constituents: GLY, LIP, SCR, L05	=LL05	Local	Wellness Lab (LLAB)
LL06	Wellness Lab: Iron Profile	Yellow	Centrifuge SST	Note the profile has an '=' (equals sign) at the start; Profile constituents: STU, L06	=LL06	Local	Wellness Lab (LLAB)
LL07	Wellness Lab: Liver Profile	Yellow	Centrifuge SST	Note the profile has an '=' (equals sign) at the start; Profile constituents: ALB, ALT, AP, AST, BIL, GGT, TP, L07	=LL07	Local	Wellness Lab (LLAB)
LL08	Wellness Lab: Kidney Profile	Yellow	Centrifuge SST	Note the profile has an '=' (equals sign) at the start; Profile constituents: CRE, ELE, UA, URE, L08	=LL08	Local	Wellness Lab (LLAB)
LL09	Wellness Lab: Thyroid Profile	Yellow	Centrifuge SST	Note the profile has an '=' (equals sign) at the start; Profile constituents: FT4, T3L, TSH, L09	=LL09	Local	Wellness Lab (LLAB)
LL10	Wellness Lab: Stress Profile	Yellow	Recommended collection time between 6am and 10am. Centrifuge SST	Note the profile has an '=' (equals sign) at the start; Profile constituents: COR, DHS, TSH, L10	=LL10	Local	Wellness Lab (LLAB)
LL11	Wellness Lab: Men's Health + Profile	Yellow AND Red	Centrifuge SST. Note: Male patients only	Note the profile has an '=' (equals sign) at the start; Profile constituents: FSH, LH, TEF, L11	=LL11	Local	Wellness Lab (LLAB)
LL12	Wellness Lab: Women's Health + Profile	Yellow AND Red	Centrifuge SST. Note: Female patients only	Note the profile has an '=' (equals sign) at the start; Profile constituents: FSH, LH, OES, TEF, L12	=LL12	Local	Wellness Lab (LLAB)
LL13	Longevity Lab: Immunity Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: ALB, EBV, HAI, HCV, HEB, MOR, MUM, RUB, TP, VZA, L13	=LL13	Local	Longevity Lab (LLAB)

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
LL14	Longevity Lab: Hepatitis A Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: HAI, L14	=LL14	Local	Longevity Lab (LLAB)
LL15	Longevity Lab: Hepatitis B Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: HEB, L15	=LL15	Local	Longevity Lab (LLAB)
LL16	Longevity Lab: Hepatitis C Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: HCV, L16	=LL16	Local	Longevity Lab (LLAB)
LL17	Longevity Lab: Measles Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: MOR, L17	=LL17	Local	Longevity Lab (LLAB)
LL18	Longevity Lab: Mumps Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: MUM, L18	=LL18	Local	Longevity Lab (LLAB)
LL19	Longevity Lab: German Measles Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: RUB, L19	=LL19	Local	Longevity Lab (LLAB)
LL20	Longevity Lab: Chicken Pox/Shingles Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: VZA, L20	=LL20	Local	Longevity Lab (LLAB)
LL21	Longevity Lab: Glandular Fever Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: EBV, L21	=LL21	Local	Longevity Lab (LLAB)
LL22	Longevity Lab: Vitamin B12 & Folate Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: BFO, L22	=LL22	Local	Longevity Lab (LLAB)
LL23	Longevity Lab: Blood Type Profile	Pink		Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: GRP, L23	=LL23	Local	Longevity Lab (LLAB)
LL25	Longevity Lab: Vitamin D Profile	Yellow	Centrifuge SST	Refer to Longevity Lab SOP for more details. Note the profile has an '=' (equals sign) at the start; Profile constituents: VIT, L25	=LL25	Local	Longevity Lab (LLAB)
LRP4 Antibody	Neuronal antibody	Yellow		Neurologist request ONLY. Must be reviewed by Immunology before sending	LRP	LabPlus	Funded for Neurologist request
Lupus anticoagulant / inhibitor	LA , LAC	3x Blue - fill to line	Deliver to the laboratory within 3-hours	Refer to coagulation specimen preparation protocol	=LUP	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Lymphocyte markers	Cell markers; CD4/CD8; CD4/CD8 ratio; Surface markers; T-cells; CD20; Tested by flow cytometry	1x <b>Lavender</b> and dried blood film	Do NOT refrigerate. Monday to Thursday; Fridays by arrangement with Immunology	Do NOT refrigerate; Sites outside Dunedin MUST notify Immunology that a sample has been received	FC; CBC		Funded
Lymphogranuloma venereum				For Microbiology use only	LGV	Wellingt on SCL	
Macroprolactin		<b>Yellow</b>			PEG	OTG	Funded
Magnesium - BLOOD	Mg; Mg2+	<b>Yellow</b>			MG		Funded
Magnesium - RBC	Red Blood cell Magnesium; Mg; RBC Magnesium	<b>Green</b>	Patient Paid only; Haemolysed specimens not suitable	Send whole blood	RMG	CHL	Patient Paid
Magnesium - URINE	Mg; Mg2+	Urine	24-hour collection (ACID bottles). Warn patient about Acid in bottles	Measure and record volume; Send one aliquot and store second	UMG	CHL	Funded
Malaria parasites	Falciparum	<b>Lavender</b>	Deliver to laboratory within 3-hours; Mark top of tube	Mark top of tube	MAP		Funded
Mandelic Acid - URINE		Urine - 30 ml at the end of work shift	On ice	On ice	MAC	CHL	Funded
Manganese	Mn	<b>Navy Blue</b> K2EDTA	Do NOT centrifuge	Send whole blood	BMN	CHL	Funded
Mantoux test	Tuberculin sensitivity test; Pirquet test; PPD test	No specimen received	For almost all purposes, this test has been superseded by the Quantiferon-TB Gold blood test. Do not perform any Mantoux test without prior approval of a clinical microbiologist. Fill in and scan appropriate paperwork	No specimens are received for this test. Results are scanned in and validated by microbiology department staff	MAN	OTG	Special restrictions
Mass Spectrophotometry		<b>Lavender</b>		Send whole blood	HMS	CHL	Unfunded
Maternal serum screen / testing 1st and 2nd TRIMESTER	Triple Test; PAPP-A	<b>Yellow</b>	Special procedure and request form; Contact laboratory	Separate serum within 4 hours and freeze	MAS	CHL	Funded
Measles PCR	Nasopharyngeal swab in transport media		Ministry of Health approval required; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a> ; Refer to Measles Request Flow Chart	MoH approval required, via SCL Microbiologist; <b>**HOLD</b> sample refrigerated at local lab and contact Microbiologist for instructions ASAP <sup>**</sup> ; Refer to Measles Sendaway Sticker Template	MEA	CHL	Funded
Melanin; Melanogen		Urine - fresh random collection	Protect from light	Send whole tube/pottle; Protect from light	MLN	CHL	Funded
Meningococcal Ab					Serology NOT available		
Meningococcal CSF +/- PCR	N. meningitidis DNA	CSF	<b>**URGENT**</b> ; Contact microbiology, or Microbiologist, for advice ASAP	<b>**URGENT**</b> ; Contact microbiology, or Microbiologist, for advice ASAP			Funded



Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Meningococcal PCR - BLOOD	N. meningitidis DNA	<b>Lavender</b> Dedicated tube required, that cannot be used for other tests	<b>**URGENT**</b> ; Contact microbiology, or Microbiologist, for advice ASAP	<b>**URGENT**</b> ; Contact microbiology, or Microbiologist, for advice ASAP	NMD	Wellington SCL Molecular Pathology	Funded
Menopausal hormones	Includes FSH, LH	<b>Yellow</b>	Note LMP	Centrifuge	FSH; LH		Funded
Mercury - BLOOD	Hg	<b>Navy Blue</b> K2EDTA	Specialist referral or Patient Paid only	Send whole blood	MER	CHL	Specialist or patient paid only
Mercury - URINE	Hg	Urine - random or 24-hour collection *see collector's information	Specialist referral or Patient Paid only; Special preservative (potassium persulfate) required - contact chemistry; Random urine: 50mg; 24-hour urine: 2g	Measure and record 24-hour urine volume; Random urine may be frozen with no preservative	UME	CHL	Specialist or patient paid only
Metabolic profile - URINE	Methylmalonic Acid (URINE); Orotic acid; Includes Organic acids / amino acids	Urine - fresh random collection	Deliver to laboratory within 3-hours	Send whole pottle; Freeze within 4-hours	UMP	CHL	Funded
Metanephrines - BLOOD	Metadrenaline; Catecholamines (BLOOD); normetanephrine	<b>Lavender</b>		Separate plasma and freeze	PCA	CHL	Funded
Metanephrines - URINE	Metadrenaline; normetanephrine	Urine - 24-hour collection (ACID bottles)	Warn patient about acid in bottles	Record volume; Send 1 aliquot and store second	CTM	Wellington SCL	Funded
Methadone - BLOOD		<b>Red</b>	Collect immediately pre-dose OR 2.5 - 4 hours post dose	Separate serum	MTD	CHL	Funded
Methadone - URINE		Urine - fresh random collection			UMT		Funded
Methaemalbumin		<b>Red</b>		Separate serum	HPB	LabPlus	Funded
Methaemoglobin		Gas syringe	Send to laboratory within 15-minutes; Do NOT centrifuge	Do NOT open tube; Do NOT refrigerate	HPI		Funded
Methanol (blood)		<b>Red</b>	Place on ice and deliver to lab promptly. Tubes must not contain gel	Keep tube capped when possible to avoid evaporation. Centrifuge and send 2mL plasma/serum. Refrigerate	MTN	CHL	Funded
Methotrexate		<b>Red</b>		Centrifuge. Gel-free tubes required. Tubes with gel are only allowable provided they are handled by the chemistry lab immediately after collection	MET	OTG	Funded
Methyl bromide		<b>Navy Blue</b> K2 EDTA		Separate plasma	BRO	CHL	Funded
Methylmalonic Acid (BLOOD)	MMA (BLOOD)	<b>Yellow</b>		Separate serum	MMA	CHL	Funded
Mexiletine		<b>Red</b>		Separate serum	MEX	CHL	Funded
MGMT methylation		tissue	Refer to LabPlus protocol at <a href="http://testguide.adhb.govt.nz/eguidemob">testguide.adhb.govt.nz/eguidemob</a>		MSE	LabPlus	Funded
Mianserin	Tolvon	2x <b>Red</b>	Note dose, dose time and time of collection	Separate serum	MIA	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Microarray	Array CGH	<b>Dark Green</b> (no gel) and 2x <b>Lavender</b> (preferable) 1x Lavender is OK	DO NOT centrifuge; DO NOT refrigerate; Enquiries to Mol Path	Send whole tube	ACG	Wellington Regional Genetics	Funded
Microfilaria		<b>Lavender</b>	Mark top of tube	Mark top of tube	FIL		Funded
Microscopy		Various			MIC		Funded
Mid-stream urine	MSU		"MSU" refers to a sample type, not a test. Please clarify the desired test with the requester				
Moclobemide	Aurorix	<b>Red</b>		Separate serum	MOC	CHL	Funded
MOG antibodies	Anti-MOG; Myelin Oligodendrocyte Glycoprotein antibodies	<b>Yellow</b>	May ONLY be requested by neurology and paediatric specialists	Centrifuge. Prepare sendaway but check with immunology before despatch	MOG	LabPlus	Special restrictions
Molybdenum		Urine - fresh random collection			MSE	CHL	Funded
Monosomy 5 FISH		Bone Marrow		Send whole sample; Do NOT refrigerate	HFI	Wellington Regional Genetics	
Morbilli IgG	Measles; English measles; Measles IgG / IgM	<b>Yellow</b>		Centrifuge	MOR	OTG	Unfunded for IMMUNE status. Funded for clinical reasons
Morbilli IgM (INFECTION)	Measles; English measles; Measles IgG / IgM	<b>Yellow</b>	Ministry of Health Approval required; Refer to Measles Request Flow Chart	To be added by Immunology only; MoH approval required, via SCL Microbiologist; <b>**HOLD sample at local lab and contact Microbiologist for instructions ASAP**</b> ; Refer to Measles Sendaway Sticker Template	MOI	Wellington SCL	Funded
Morphine - BLOOD	Morphine sulphate; MST	<b>Red</b>	Place on ice and deliver to lab promptly	Separate serum and freeze	MRP	CHL	Funded
MPL Exon 10 mutation		<b>Lavender</b>	Dedicated tube, that cannot be used for other tests	Send whole sample; Do NOT refrigerate; Tube to Haematology for sendaway	MPL		Haematologist only
MRSA	Methicillin resistant Staph aureus	Swabs	For Southern DHB, only ONE swab is needed now (nostrils)	Refrigerate; For private billing use MR1/MR2/MR3	MR or MR1/MR2/MR3		Funded
MTHFR genotype	Hyperhomocysteinaemia			Test no longer available. See CHL notice here: Cessation of MTHFR Genotyping Nov 2018.pdf	MTF	CHL	Not available
Mucopolysaccharide		Urine - fresh random collection	Place on ice and deliver to lab promptly	Freeze	MPS	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Mucopolysaccharide Electrophoresis		Urine - fresh random collection		Freeze	MPS	CHL	Funded
Multi drug resistant organism	Multi-resistant organism; MDRO; MRO	Urine, swab or faeces		Refrigerate	MC	OTG	Funded
Mumps (Infection)	Mumps IgM	Yellow	Ministry of Health Approval required	To be added by Immunology only; MoH approval required, via SCL Microbiologist; **HOLD sample at local lab and contact Microbiologist for instructions ASAP**	MMM	Wellington SCL	Funded
Mumps IgG	Mumps IgG	Yellow		Centrifuge	MUM		Unfunded for IMMUNE status, Funded for clinical reasons
Mumps PCR		Oral swab in viral transport medium, CSF; urine	Ministry of Health approval required	MoH approval required, via SCL Microbiologist; **HOLD sample refrigerated at local lab and contact Microbiologist for instructions ASAP**	MRN	CHL	Funded
Muscle enzymes		Yellow			CK; LDH		Funded
Muscle specific kinase antibodies	Interferon-beta Neutralising Antibodies	Yellow			MSE	CHL	Funded
Mycobacterium leprae PCR	Leprosy		MUST be approved by microbiologist	MUST be approved by microbiologist		CHL	Funded
Mycophenolic acid	Mycophenolate	Green		Separate plasma	MPA	CHL	Funded
Mycoplasma / urea plasma		Swabs or Urine		Refrigerate	MYS		Funded
Mycoplasma antibodies	Mycoplasma pneumoniae	Yellow		Centrifuge	MYC		Funded
Mycoplasma genitalium RNA	M genitalium RNA	Female: Abbott Multi-Collect Specimen Collection Kit Click here to Order from CHL; Male: First void urine		Microbiologist approval required; Microbiology to add urine to Abbott tube	MCG	CHL	
MYD88 (Leu265Pro) Mutation	Waldenstrom macroglobulinaemia (WM) mutation	2x EDTA Peripheral blood or Bone marrow	Must be accompanied by Genetics Request Form	Send whole tube	MSE	Wellington Regional Genetics	Funded when on Genetics request Form
Myeloma Screen	Protein Electrophoresis	Yellow or Red			EPP	OTG	
Myeloperoxidase	MPO-ANCA; MPO abs	Yellow			ANCA		Funded
Myoglobin (BLOOD)		Yellow	Haemolysed specimen not suitable	Separate serum; Freeze if >72-hours	SMG	Wellington SCL	Funded
Myoglobin (URINE)		Test not available from 11/2/19		Test NOT available from 11/2/19	MYG		Not available
Myositis antibodies	Extended myositis	Yellow		Separate serum	MBT	Wellington SCL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
NAFLD Trigger Study		As per request form		Patient ID 3 digits + alpha + date of birth; Dr code NAFLD; Billing Code NAFLD	As per request form	OTG	Study
Nasopharyngeal		Swab	PPE required for collection of sample	Refrigerate; Site code required	NP		Funded
Neisseria gonorrhoeae culture		Bacterial swab		Refrigerate; N. gonorrhoea can be cultured from a bacterial swab if required	Relevant swab code	OTG or STH	
Neisseria meningitidis CSF PCR	Bacterial meningitis PCR				See CSF Multiplex PCR		Funded
Neonatal Haemolysis Screen	Includes Blood Group, Coombs (send to NZBS); Haemoglobin - tested at SCL	Lavender		Send to NZBS for Group & Coombs	CBC, MTR	OTG or STH	
Neuromuscular sub-exonic capture	Perth; Pathwest	2x Lavender			NEC	Wellington Regional Genetics	Funded for Neurologist request
Neutrophil alkaline phosphatase	NAP; LAP; Leucocyte alkaline phosphatase				Test not available		Funded
Neutrophil oxidative burst	Nitroblue test; Nitroblue tetrazolium assay; NBT	Lavender	Strictly Monday - Thursday only; do not collect before a Public Holiday. Must be arranged in advance with Haematology	Do NOT refrigerate; URGENT to Haematology; Control blood must also be sent	NBT	Wellington SCL Immunology	Funded
Newborn Metabolic Screening	Guthrie card; Includes: Galactose-1-phosphate; Phenylalanine	Air dried blood spot on Guthrie card	Refer to instructions on the card; DO NOT ENCLOSE WET CARD IN PLASTIC BAG. Place dry card in paper envelope	Ensure blood spots are dry. Forward to Newborn Metabolic Screening Programme, LabPlus, PO Box 872, Shortland Street, Auckland 1140	NMS	LabPlus	Funded
Ngati Porou Study				Doctor Code = NGATI; Bill to Code = NGATI	as per form	OTG	Study
Nickel - URINE	Ni	Urine, collected at end of work shift			NIC	CHL	Funded
NMDA Receptor Antibodies	N-methyl-D-aspartate receptor antibodies	Yellow and/or CSF	Must be referred by Neurology	Centrifuge. Prepare sendaway but check with immunology before despatch	NRA	LabPlus	Must be referred by Neurology
Norovirus	Small round virus; Norwalk virus; Norwalk virus PCR/DNA; SRSV	Faeces	MoH Approval required and outbreak number	MoH approval required	MC		Funded
Norovirus (micro only)				To be added by microbiology if accepted; Must be sent to ESR on an ESR form	NWK	ESR (K)	Funded
Northland HPV Study	Example of request form here	Swab		Refrigerate; Referrer code as per form. Copy to LAWBN. Receipt swab and forward to Molecular Pathology	HPN	OTG	Bill to: HPVN
Nortriptyline	Norpress	2x Red	Collect 18 hours post-dose	Separate serum; Refrigerate	NOR	CHL	Funded
Nucleophosmin PCR		Lavender		DO NOT refrigerate; Send whole tube	NPR		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Nutrisearch	Nutripath	See attached information here: Nutrisearch Procedure, rb 19.11.18.pdf	Patient payment required	See attached information here: Nutrisearch Procedure, rb 19.11.18.pdf	CCO		Study
Occult blood			Test not available in Southern DHB - enquiries to Microbiology; Not routinely available – exception Antarctic Medical		PC with library code NOOB		Not available
Oestrogen	Estradiol; Estrogen; 17β Oestradiol; E2	Yellow		Separate serum; Refrigerate	OES		Funded
Oestrogen Receptors		Tissue		Histology to process sample	MSE	CHL	Funded
Oestrone-3-glucuronide	Ovulation profile	Urine - fresh random collection (Early Morning Collection)	Place on ice and deliver to lab promptly	Freeze	UOE	CHL	Funded
Olanzapine		Red		Separate serum; Refrigerate	OLZ	CHL	Funded
Opiates	Morphine - URINE	Urine - fresh random collection			OPI		Funded
Osmolality calculated (BLOOD)		Yellow		OMC panel adds Na, K, Urea & Glucose	OMC	OTG	
Osmolality measured (BLOOD)	Osm; osmol	Yellow	Separate lab numbers required if blood and urine received at the same time	Separate serum; Refrigerate	OMB		Funded
Osmolality measured (URINE)	Osm; osmol	Urine - fresh random collection	Fresh random urine unless doctor specifically requests 24-hour urine. Separate lab numbers required if blood and urine received at the same time	If applicable, record 24-hour urine volume	OSM		Funded
Osmolar Gap calculated (BLOOD)		Yellow		OMG panel adds OMC & OMB	OMG	OTG or STH	
Osteocalcin		Yellow		Separate serum and freeze	OST	CHL	Funded
Otakaro Pathways			Patient payment required	See Information Sheet here: Otakaro Pathways.pdf	ALQ		Study
Ova & Parasites PCR, with travel history outside NZ/Australia		Faeces			FPC & FP	OTG	Funded
Ovarian antibodies	Anti-ovarian antibodies	Yellow		Separate serum; Refrigerate	OVA	CHL	Funded
Oxalate		Urine	24 hour collection (ACID bottles); Warn patient about acid in bottles	Measure and record volume; Send one aliquot and store second	OXL	CHL	Funded
Oxycodone		Urine - fresh random collection			OXY	OTG	Funded
P1NP	Type 1 procollagen	Yellow		Separate serum and freeze	P1N	CHL	Funded
P3NP	Type 3 procollagen; Aminoterminal pro-peptide; Procollagen (3)	Yellow	Testing frequency must be >2 months	Separate serum; Refrigerate <4°C	PCL	CHL	Funded
Pacific Edge Study				Doctor Code = PACE; Bill to Code = PACE	as per form	OTG	Study
Pancreatic amylase		Yellow		Separate serum	MSE	CHL	Funded
Pancreatic Polypeptide		Lavender	Fasted overnight		MSE	CHL	Funded
Paracetamol	Acetaminophen; APAP; Panadol	Red or Yellow	Collect 4-hours post ingestion	Centrifuge; Freeze serum if ≥ 24-hours	PAR		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Parainfluenzae virus serology		No sample required - test not available		Not available - refer enquiries to Medical Microbiologist			Funded
Paraneoplastic antibodies	Anti-neuronal antibodies	Yellow		Centrifuge. Prepare sendaway but check with immunology before despatch	ANN	LabPlus	Funded
Paraquat		Urine		On ice to CHL	PRQ	CHL	Funded
Parasite serology	Leishmania serology; filaria; tapeworm serology; cysticercosis	Red			FLS	CHL	Funded
Parathyroid hormone (blood)	PTH	Lavender		Separate and freeze if >48 hours to get to Dunedin	PTH	OTG	Funded
Parathyroid Hormone Related Peptide	PTHrP	Special tube required - available from CHL	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a> ; Draw the blood sample with a syringe & needle and then transfer about 3ml of the blood from the syringe to the blue labelled PTHrP cocktail tube and mix the contents gently with 4 or 5 inversions. As soon as possible centrifuge and transfer the plasma to the red labelled plastic aliquot tube provided (labelled "PTHrP plasma only") within 15 minutes of collection. Store and transport frozen. Note: the PTHrP cocktail tube should be used straight from the freezer - no warming or heating required	Freeze	PTP	CHL	Funded
Parietal cell antibodies	Anti parietal cell	Yellow		Centrifuge	AUT	OTG	Funded
Paroxetine		2x Red		Separate serum	PXT	CHL	Unfunded
Parvovirus B19 DNA	Parvovirus PCR; Slap cheek virus	Red; Amniotic Fluid; Aspirate; CSF Dedicated tube that cannot be used for other tests	Microbiologist approval required	Dedicated tube that cannot be used for other tests	PVD	CHL	Funded
Parvovirus B19 SEROLOGY	Slap cheek virus	Yellow		Separate serum	PAV		Funded
Paternity DNA			Refer to Patient Services Manual procedure; Payment required		DNC	DNA Diagnostics, Auckland	Unfunded
PCR			This is not a test on its own; confirm which PCR test is required	Refer enquiries to Molecular Pathology	??		
PDGFRA FISH		Green		Send whole sample; Do NOT refrigerate	FII	IGENZ	Funded
PDGFRB FISH		Green		Send whole sample; Do NOT refrigerate	FII	IGENZ	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
PD-L1 Testing	Programmed Death Ligand 1; Pembroluzimab (Keytruda) genetic test; PDL1	Histology specimen	Register with LSH and PDM panels, using the name of the doctor on the form. Enter NC (No charge) for billing - the billing will be done manually later by accounts. Collection centre can be G if not otherwise specified. For more info, see theSOP and andexample lab form. Result is processed in Lab Solutions		LSH and PDM	OTG	Unfunded
Pemphigoid antibody; Pemphigus antibodies	Skin antibodies	Yellow		Separate serum	SAT	CHL	Funded
Pendrin gene	SLC26A4; solute carrier family 26 member 4; Pendred syndrome	Lavender		Send whole blood	MGR	CHL	Unfunded
Pentobarbitone		Red		Separate serum	MSE	CHL	Funded
Percept Prenatal Test	Cell-free DNA prenatal test	Special kit provided by manufacturer	PATIENT PAYMENT REQUIRED. Follow kit instructions. Do not collect on a Friday	This is a competitor to the Illumiscreen test. We send on to Wellington Genetics Lab, who forward to Victorian Clinical Genetics Service. See <a href="http://www.vcgs.org.au/perceptNIPT">http://www.vcgs.org.au/perceptNIPT</a>	CCO & MTR	Wellingt on Regional Genetics	Unfunded
Perchloroethylene	Trichloroethylene	Urine - fresh random collection	Collect after exposure	Send whole pottle	TCA	CHL	
Perhexiline	Pexsig	Red	6-12 hours post-dose	Separate serum	PEH	CHL	Funded
PFA	Platelet function analysis; PFA 100	Blue - fill to line	Do NOT send in Lamson tube	Contact haematology; Mark top of tube	PFA	OTG	Funded
PGD Feasibility Test	MPPR; Pre implantation Genetic Diagnosis	2x Lavender		Dr code: NOREP Default billing; Send Whole Blood to Canterbury Health Laboratories; Results forwarded from CHL directly to Fertility Associates	MTR	CHL	Funded by Fertility Associates
pH - URINE		Urine - fresh random collection			PH		Funded
Phencyclidine		Urine - Random	Send refrigerated or on ice; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Phenobarbitone	Mysoline; Primidone	Yellow	Collect pre-dose	Centrifuge	PHE	OTG	Funded
Phenol (URINE)		Urine - fresh random collection			PHL	CHL	Funded
Phenothiazine		Urine - random			MSE	LabPlus	Funded
Phenylalanine	Guthrie card			Adult & children: see Amino Acids; Newborn (less than one month): see Newborn Metabolic Screening			
Phenytoin	Dilantin	Yellow	Collect pre-dose	Centrifuge	DIL		Funded
Phosphate (BLOOD)	PO4 - BLOOD	Yellow		Centrifuge; Separate if >4-hours	PO4		Funded
Phosphate (URINE)	PO4 - URINE	Urine - 24-hour or random collection (ACID bottles)	Warn patient about acid in bottles	Measure and record 24-hour urine volume	UPH		Funded
Phospholipase A2 Receptor Antibodies	PLA2 / PLA-2 receptor antibodies; Idiopathic Membranous Nephropathy antibodies; PLA2R	Yellow		Centrifuge and refrigerate. We sent to LabPlus, who currently send specimens on to Australia for testing	MSE	LabPlus	Funded
Phospholipid antibodies	Includes anticardiolipin and lupus anticoagulant	3x Blue - fill to line; AND Yellow	Deliver to laboratory within 3 hours	Blue tubes to Haematology - mark top of tubes; Yellow tube to Immunology	=LUP & CRD	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Phytanic Acid		Lavender	Send ambient to lab	Send frozen aliquot to CHL	MSE	CHL	Funded
Plasminogen					Test no longer available. Enquiries to haematology		
Platelet aggregation studies		Blue x 5. Do NOT send samples via Lamson tube	Must be pre-arranged. Contact Haematology, Dunedin		PAG		Funded
Platelet antibodies	PLA-1; PLA1; HPA 1a; PAA		All enquiries to NZ Blood Service		HC	NZBS	Unfunded
Platelets		Lavender		Whole blood. Circle lid with marker if using a blue top. Note: Blue top alone is not acceptable for full blood count	CBC		Funded
PML / RARA		Lavender	Mon - Wed only	Send whole sample; DO NOT refrigerate	PRR	Wellington SCL Molecular Pathology	Funded
Pneumococcal Antigen	Streptococcus pneumoniae antigen	Urine - fresh random collection; CSF	Clinical Microbiologist approval required		PAT	OTG	Funded
Pneumocystis stain	Silver stain	Sputum	URGENT - notify Microbiology	Micro to split for cytology. Result is processed in Lab Solutions	LSN		Funded
Pneumonia multiplex PCR	Includes: Mycoplasma pneumoniae; chlamydia; Legionella; Pneumocystis jirovecii; Bordetella spp. PJP; Pneumocystis carinii; PCP; Atypical PCR: Atypical Pneumonia PCR	Sputum; induced sputum, or bronchoalveolar lavage (BAL)	Must be approved by Microbiologist	Must be approved by Microbiologist	ATY	OTG	Funded
Pneumovax	Polysaccharide antibody; Pneumococcal Antibody	Yellow		Separate serum; Funded for immune compromised patients only	P23	CHL	Unfunded
PNH Screen	Ham's acid serum test; Paroxysmal nocturnal haemoglobinuria; Sucrose lysis	Lavender	Haematologist referral/ approval required. CBC also required with this test. Do NOT refrigerate	Do NOT refrigerate. CBC also required (satellite labs, send in result printout and unstained unfixed blood film); Whole blood required	FC; CBC	OTG	Funded
Poliovirus immunity		Yellow	Payment required	Must be sent to ESR on an ESR form	POL	ESR (W)	Unfunded
Polycystic ovary	PCO; PCOS; Includes FSH, LH, SHBG, testosterone, FAI	Red			FSH; LH; FAI	OTG	Funded
Porphobilinogen	PBG	Urine	Protect from light	Available for Dunedin samples only. Requests from other sites should be forwarded to CHL for urine porphyrin, PPH; Forward immediately to STAT bench; Biochemistry staff to prepare and freeze an extra aliquot for CHL	PBG & PPH	OTG	Funded



Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Porphyrin (BLOOD)	Protoporphyrin	Green	Protect from light	Send whole tube/pottle; Protect from light	PPH	CHL	Funded
Porphyrin (FAECES)		Faeces	Protect from light	Send whole tube/pottle; Protect from light	PPH	CHL	Funded
Porphyrin (HPLC) full analysis			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Porphyrin (URINE)	ALA; Coproporphyrin	Urine - fresh random collection	Protect from light	Send whole tube/pottle; Protect from light	PPH	CHL	Funded
Porphyrin Fluorescence	Fluorescence (plasma)	Green	Protect from light; Refrigerate; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Protect from light; Refrigerate	FIS	CHL	Funded
Posaconazole		Red	Collect pre-dose if possible	Special funding approval for UCS7477 19/03/18		CHL	Unfunded
Potassium	K+	Yellow	Deliver to laboratory within 3-hours of collection; Do NOT refrigerate	Centrifuge; Separate if not analyzed within 4-hours	ELE; (with blood gas = KI)		Funded
Prader willi	Angelman Syndrome	Lavender (at least) AND Green (if possible)	Do NOT refrigerate; Do NOT centrifuge; Enquiries to Mol Path	DO NOT refrigerate; DO NOT centrifuge; Send whole tubes	PRW	Wellingt on Regional Genetics	Funded
Prealbumin		Yellow	Haemolysed specimen not suitable	Separate	PAL	CHL	Funded
Predictor of Refractory Ulcerative Colitis Study		3x EDTA purple	Store samples at 4oC prior to transport; See request form here: Predictor of Refractory Ulcerative Colitis Blood Collection request 22.8.17.pdf	Store at 4oC. Contact Kristina, 022 367 0955 to pick up samples	DRW	OTG	
Pregnancy test (URINE)		Urine - fresh random collection	Random collection		PRG		Funded
Pregnanediol	Ovulation profile	Urine - fresh random collection	Early morning sample; Place on ice and deliver to lab promptly	Freeze	PRD	CHL	Funded
Prenatal cytogenetics					Confirm tests required with referrer		
Progesterone	P4	Yellow			PRO		Funded
Progesterone (salivary)		Saliva (Salivette container)	Before teeth cleaning and no lipstick		SPR	CHL	Funded
Prolactin		Yellow		Centrifuge	PRL		Funded
Protein (BLOOD)	Total protein; TP	Yellow	Part of Liver Functions	Centrifuge	TP		Funded
Protein (URINE)	Protein / creatinine ratio; urine protein	Urine - fresh random collection	24 - hour (PLAIN bottles) or random collection	Measure and record 24-hour urine volume; Aliquot and centrifuge	UPR (timed); UPC (random)		Funded
Protein C (approved)		ATS Form received APPROVED: Blue; Dedicated tube that cannot be used for other tests	Must be at lab within 3 hours	Mark top of blue tubes to Haematology; At discretion of SCL Clinical Haematologist	PRC, PT, APTT, TCT	Wellingt on SCL	Specialist or patient paid only
Protein C (unapproved)		ATS Form received for approval: No samples required		At discretion of SCL Clinical Haematologist			Specialist or patient paid only

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Protein S (approved)		ATS Form received APPROVED: <b>Blue</b> ; Dedicated tube that cannot be used for other tests	Must be at lab within 3 hours	Mark top of blue tubes to Haematology; At discretion of SCL Clinical Haematologist	PRS, PT, APTT, TCT	Wellington SCL	Specialist or patient paid only
Protein S (unapproved)		ATS Form received for approval: No samples required		At discretion of SCL Clinical Haematologist			Specialist or patient paid only
Prothiaden	Dothiepin	<b>Red</b>	Collect 18 hours post dose	Separate serum	DOT	CHL	Funded
Prothrombin time		<b>Blue</b> - fill to line	Deliver to laboratory same day		PT		Funded
PSA	Prostate specific antigen	<b>Yellow</b>	Males only; Do NOT collect post prostatic massage	Centrifuge	PSA		Funded
Psittacosis antibody	Chlamydia psittaci	<b>Yellow</b>	Clinical details required	Clinical details required Separate serum	PSI	CHL	Funded
PTH - fluid	Fluid PTH; fluid parathyroid hormone; FNA parathyroid hormone aspirate; PTH in washout	FNA needle washing in <b>lavender</b> and blood in lavender		Forward to STAT bench	PWS and PTH	OTG	Funded
Pyruvate			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		PYR	CHL	Funded
Pyruvate kinase		<b>Lavender</b>		Send whole tube	PYK	LabPlus	Funded
QF PCR Aneuploidy		various	Refer to Wellington Regional Genetics Protocol			Wellington Regional Genetics	Funded
Quantiferon TB-Gold	Interferon gamma release assay for TB exposure, IGRA , Mycobacterium Tuberculosis	Set of four Quantiferon-TB Gold tubes	Refer to SCL protocol Quantiferon TB Gold Plus 2018.pdf	Refer to SCL protocol Quantiferon TB Gold Plus 2018.pdf	QFG	OTG	Funded
Quantitative amino acids		<b>Green</b>	Preferably Fasting; Separate and freeze ASAP, or send to lab on wet ice	Send frozen	QAA	CHL	Funded
Quinidine		<b>Red</b>		Separate serum	QND	CHL	Funded
Rabies		<b>Yellow</b>	Payment required	Separate serum	RAB	CHL	Unfunded
Rapid Respiratory NAAT	Flu; Influenza; H1N1; H3; Flu B; Flu A; RSV; Respiratory syncytial virus; Respiratory multiplex; Respiratory PCR; Respiratory virus / viral	Nasopharyngeal aspirate or nasopharyngeal swab in Universal transport media (UTM)		Refrigerate; If dry swab received, please notify Microbiology at time of receipt. Micro, break swab in to UTM	RRN	OTG or STH	
Rapid Urease Test	CLO test; campylobacter-like organism test; Helicobacter pylori rapid test		This is not offered by SCL Otago/Southland. It is a specialist test performed at the time of gastric biopsy to diagnose H. pylori infection. Patients should contact their local gastroenterology department			OTG	Not available
RBCs	Red Blood Cell count	<b>Lavender</b>	As for full blood count	Please notify haematology department that a Red Cell Count has been requested	CBC	OTG or STH	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Reducing substances	Urine reducing substances, faecal reducing substances	None	This test is NOT offered	This test is NOT offered. Enter panel PC and library code NORED	PC	OTG	Not available
Renal function tests	Includes creatinine, electrolytes, urea	Yellow	Deliver to laboratory within 4 hours of collection; Do NOT refrigerate	Separate if not analysed within 4-hours	UCL		Funded
Renin	PRA	Lavender	Collect prior to 10am; Deliver to the laboratory at room temperature within 30 minutes	Separate and freeze, within 30-minutes	REN	CHL	Funded
Reptilase time		Blue	Must arrive in lab within 4 hours of collection; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>			CHL	Funded
Respiratory syncytial virus SEROLOGY	RSV serology / antigen		Not available - enquiries to immunology		IC		
Reticulocyte count	Retics	Lavender	Circle top of tube	Circle top of tube	CBC and RET		Funded
Reverse T3	Reverse Triiodothyronine; rT3			Test not available in NZ		OTG	Not available
RF			Confirm test required with referrer - Renal function or Rheumatoid factor?				Funded
RFT			If this is written as a test request by a doctor, assume it is a request for Renal Function Tests (UCL) unless there is clear evidence to the contrary. [As directed by Jan Parker]				Funded
Rh phenotype or genotype		Red		DO NOT separate; Immunology to check and forward to NZBS	RHH		Funded
Rheumatoid factor	Rose Waaler	Yellow			RFT	OTG	Funded
Rickettsial Ab		Yellow	Clinical details required	Clinical details required Separate serum	NES	CHL	Funded
Ristocetin induced platelet aggregation	RIPA	3x Blue - fill to line	Must be pre-arranged - contact haematology lab, Dunedin; Do NOT send samples through Lamson Tube; Required to be in the laboratory as soon as possible				Funded
Ritalin	Methylphenidate	Urine - fresh random collection			RLN	OTG	Funded
RNA extraction		various	Mon - Thurs only; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
RNA Polymerase III		Yellow		Separate serum	SBT	Wellingt on SCL	Funded
RODAC plates		small RODAC Agar plates	Submitted by NZBS	Plates are delivered to Micro	ROD	OTG	
Ross River Virus Serology		Yellow	Travel history required; Clinical details required	Travel history required; Clinical details required Separate serum	ROS	CHL	Funded
Rotavirus	Viral culture (FAECES)	Faeces			ROT		Funded
Rubella IgG (Immune Status)	German Measles	Yellow		Centrifuge; Do not use grossly haemolysed samples	RUB	OTG	Funded for Antenatal only

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Rubella IgM (Current Infection)	German Measles	Yellow		Testing to be added by Immunology only	RBM	Wellington SCL	Funded
Rubella PCR / RNA	German measles PCR		Ministry of Health approval required; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	MoH approval required, via SCL Microbiologist; **HOLD sample at local lab and contact Microbiologist for instructions ASAP**	MGR	CHL	Funded
Rural Accelerated Chest Pain Pathway	RACPP	Green		Number and scan the form Use panel MTR:Test RACPP; Sent to: SCL Dunedin Centrifuge the sample and freeze plasma on-site Forward frozen plasma to SCL Dunedin Dunedin Processing: forward frozen samples to MPA person MPA person: store the frozen plasma in the RACPP box in the Biochemistry Chest Freezer	MTR	OTG	
Salicylic acid	Aspirin; Salicylate	Red		Centrifuge; Freeze if >24 hours	SAL		Funded
Salmonella serology	Widal; Includes typhoid		Test no longer available			OTG	
SARS RNA			Microbiologist approval required; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Microbiologist approval required	MMP	CHL	Funded
Save Study	Sleep Apnoea Cardiovascular Endpoints Study			Doctor Code = SAVE; Bill to Code = SAVE	as per form	OTG	Study
Scabies	Ectoparasites	Skin scraping in oil (on a slide)	Follow scabies sampling protocol		ECT		Funded
Schistosomes (BLOOD)	Bilharzia	Yellow		Separate serum	SCH	CHL	Funded
Schistosomes (FAECES)	Bilharzia	Faeces			FP		Funded
Schistosomes (URINE)	Bilharzia	Urine - fresh random collection			USC		Funded
Scleroderma antibodies	anti-Scl-70; ACA; RNA; Systemic Sclerosis Antibodies	Yellow	Red		SBT	Wellington SCL	Funded
Selenium (BLOOD)	Se	Navy Blue K2EDTA	Specialist referral or patient paid only	Separate plasma	SEL	CHL	Specialist or patient paid only
Selenium (URINE)	Se	Urine - fresh random collection	Specialist referral or patient paid only		SLU	CHL	Specialist or patient paid only
Seminal fluid (FERTILITY)	Semen analysis (fertility)	Semen	Keep sample warm; Deliver to laboratory within 1 hour	Notify microbiology ASAP on arrival	SFF		Funded
Seminal fluid (POST VASECTOMY)	Semen analysis (vasectomy)	Semen	Deliver to laboratory as soon as possible	Notify microbiology on arrival	PV		Funded
Seminal fructose	Fructose - semen	Semen	Deliver to laboratory within 7 hours or freeze	Deliver to microbiology within 7 hours or freeze	FRS	CHL	Unfunded
Serotonin Release Assay		Yellow and Red	Haematology approval required; HIT assessment form must accompany the request; Double centrifuge; Transport frozen	Haematology approval required; HIT assessment form must accompany the request; Double centrifuge; Transport frozen	MSE	South East Area Laboratory Services	Unfunded & Specialist Only
Sex hormone binding globulin	SHBG	Red	If Testosterone also requested - see Free Androgen Index (FAI)	Separate serum	SHB	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Sharps container supply, 1.4 litre			Includes disposal			OTG	
Sharps container supply, 7.6 litre			Includes disposal			OTG	
Sickle cell		Lavender	Funded for diagnostic purposes; Patient paid for academic entrance requirements; Circle top of tube; Enquiries to Haematology		HGB		Patient Paid or Funded
Silver - plasma/urine		Navy Blue K2EDTA			MSE	CHL	Funded
Sinus washings		Washings		Site code required	S		Funded
Sirolimus		Lavender	Ambient transport	Send whole blood	SIR	CHL	Funded
Sodium - URINE	Urine Na+	Urine - Random or 24-hour collection (PLAIN bottles)		Measure and record urine volume	UNK		Funded
Sodium (Ionised) - BLOOD	Ionised sodium, Na+	Blood gas syringe	Deliver to laboratory within 4-hours of collection	Centrifuge; Separate within 4-hours	NAI	OTG or STH	Funded
Sold Study			Doctor Code = SOLD; Bill to Code = SOLD; Aliquots to be prepared as indicated on the form and stored at -80C in Dunedin lab; Aliquot labels provided by the study go on the storage cryovials - not on the primary tube		ALQ	OTG	Study
Soluble Liver Antibodies	Soluble Liver Antigen; SLA; Liver Immunoblot; Test includes M2 (pyruvate-dehydrogenase-complex), LKM-1 (liver-kidney microsomes, cytochrome P450 II D6), LC-1 (cytosolic liver antigen type 1; formiminotransferase-cyclodeaminase) and SLA/LP (soluble liver antigen/liver pancreas antigen), Sp 100, gp210 and Ro52	Yellow		Contact Immunology	LBT (To be added by Immunology only)	Wellingt on SCL	Unfunded
Specific gravity		Urine - fresh random collection			UDC		Funded
Sperm antibodies (male only)			Contact microbiology	Contact microbiology	SPA		Funded
Spinal muscular atrophy genotype	SMN; Survival Motor Neuron	Lavender		Send whole tube	SMN	Wellingt on Regional Genetics	Funded
Sputum - CULTURE		Sputum			SP		Funded
Staph capitis	Staphylococcus capitis surveillance	Swab		Refrigerate	SCP	OTG	Funded
Stratify JCV	JC virus antibodies; Unilabs MS study; Do not confuse with JC virus PCR	Blood sample. Use the tube provided in the study kit	Samples labelled with Study number only	Bill to Code = CAHL; Centrifuge; Aliquot serum into cryotube provided in study kit; Freeze	COL; MTR	CHL	Study
Streptococcal antibodies	DNase B; Anti DNase B; Anti streptolysin-O; Streptolysin-O titre; ASOT	Yellow	Appropriate clinical details required	To Immunology / Clinical Microbiologist for approval; Southland - put in MPA bag	SS	LTA	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Strongyloides		Yellow		Separate serum	STR	CHL	Funded
Sulphapyridine		2x Red		Separate serum	SZP	CHL	Funded
Sulphasalazine	Salazopyrin	2x Red		Separate serum	SUL	CHL	Funded
Sulphonylurea		Red		Separate serum	SLP	LabPlus	Funded
Swab		Swab		Refrigerate; Site code required	S		Funded
Sweat test	Cystic fibrosis skin chloride test; CF skin test; pilocarpine test		Contact chemistry department for appointment	Chemistry department to organise	SWE		Funded
Synacthen test	ACTH stimulation test	2x Yellow	1x pre-dose blood and 1x post-dose blood; Mark specimens with date and time and whether PRE or POST synacthen. Complete the patient questionnaire and send with samples. Dunedin: Notify Chemistry, ext 3085, of the lab number on the Pre-synacthen sample	**Tests may be either Cortisol, or 17OH- progesterone or both**; Ensure specimens are labelled PRE and POST; Do NOT send to MPA. Peripheral sites please notify Dunedin Chemistry; Refer tomemo here	SYN and/or HYP	OTG	Funded
Syphilis	RPR; VDRL; TPHA; STS; Fluorescent treponemal antibodies; FTA; Treponema; Wasserman	Yellow		Centrifuge	SY	OTG	Funded
Syphilis in CSF		CSF		Must be approved by Immunology Scientist	CSY	Wellingt on SCL	
Tacrolimus	FK506	Lavender	Collect pre-dose	Do NOT centrifuge	TAC	OTG	Funded
Tau protein	T protein; $\beta$ -transferrin; beta- transferrin; asialo-transferrin	Nasal or ear secretions and Yellow blood			TAU	LabPlus	Funded
TB culture	AFB; acid fast bacilli; mycobacteria; Mycobacterium; tuberculosis	Sputum or other bodily fluid	Open samples in biological safety cabinet		MTB	Wellingt on SCL	Funded
TB PCR	Tuberculosis PCR; Mycobacteria		**Microbiologist approval required**	Enquiries to Molecular Pathology, Dunedin		OTG	Funded (Microbiologist Approval required)
Tb urine		Early morning urine sample of at least 40 mL	**Microbiologist approval required**		MTB	Wellingt on SCL	Funded
T-cell receptor gene	TCR	Lavender (blood or bone marrow)	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Do NOT refrigerate; Whole tube that cannot be shared	TCP	CHL	Funded
Testicular tumour markers	Includes $\alpha$ FP, LDH and HCG (tumour marker)	Yellow			FET; LDH; TCG		Funded
Testosterone (salivary)		Saliva (Salivette container)	Before teeth cleaning and no lipstick		STS	CHL	Unfunded
Testosterone- male and female	Testosterone (total)	Red	If SHBG also requested, see Free Androgen Index		TES	OTG	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Tetanus		Yellow	Do NOT refrigerate	Do NOT refrigerate; Separate serum; Funded for immune compromised patients only	TET	CHL	Unfunded
TG			Confirm test required with referrer - Thyroglobulin, Triglycerides or Transglutaminase?				
Thallium	TI	Urine - fresh random collection		Send whole pottle	MSE	CHL	Funded
The Compliment Study				Doctor Code = COMPL; Bill to Code = COMPST	as per form. Do NOT enter ADM fee	OTG	Study
Theophylline	Aminophylline; Theo-dur; Nuelin	Yellow	Collect pre-dose	Centrifuge	THE	OTG	Funded
Thiocyanate		Green		Separate plasma	MIO	CHL	Unfunded
Thiopentone		Red		Refrigerate	MSE	CHL	Funded
Throat swab		Swab		Refrigerate	TS		Funded
Thrombin Clotting Time	TCT	Blue - fill to line			TCT	OTG or STH	Funded
Thrombophilia screen (approved)	May include any of: Protein C; Protein S; Factor V Leiden; Prothrombin Gene Mutation; Antithrombin; Lupus Anticoagulant; Anticardiolipin Antibodies	ATS Form received APPROVED: Collect samples as indicated on approval form	Requires Haematologist approval (note, patient cannot pay to avoid need for haematologist approval)	Mark top of blue tubes to Haematology	PT; APT; TCT; & panels as per approval form		Funded (haematologist approval)
Thrombophilia screen (unapproved)	May include any of: Protein C; Protein S; Factor V Leiden; Prothrombin Gene Mutation; Antithrombin; Lupus Anticoagulant; Anticardiolipin Antibodies	Form received for approval: No samples required	Requires Haematologist approval (note, patient cannot pay to avoid need for haematologist approval)		ATS		Special approval
Thrombophilia Screen Approval Form			Refer to thrombophilia screen form			OTG	
Thyroglobulin	Do NOT confuse with thyroglobulin antibodies; TG	Yellow		Separate serum and freeze	THY	CHL	Funded
Thyroid antibodies	TPO; Anti TPO; microsomal; Microsomal antibodies; Anti microsomal; anti-Tg; Thyroid peroxidase antibody assay; Thyroglobulin Antibody; TAB	Yellow		Centrifuge	TPO & TG	OTG	Funded
Thyroid binding globulin	Thyroxine binding globulin; TBG		NOT available in NZ. Clarify with referrer; they may want thyroglobulin or thyroid stimulating immunoglobulin				Not available
Thyroid function tests	TFTs; TSH; Thyroid stimulating hormone	Yellow	Note if on thyroxine; TSH tested first, other tests may be reflex added	Centrifuge. TSH is tested first. FT4 and/or FT3 added by chemistry only	TSH		Funded
Thyroid stimulating immunoglobulin	TSI; Thyroid stimulating antibody; TSH receptor Ab; TSH receptor stimulating antibody	Yellow		Separate serum. Freeze if >72 hours	TSA	Wellingt on SCL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Tissue autoantibodies		Yellow		Centrifuge	AUT	OTG	Funded
Tissue culture		Tissue	URGENT to microbiology	URGENT to microbiology	T		Funded
Tissue Typing - CLASS I	HLA-A, HLA-B,C	Yellow CPDA	Refer patient to SCL collection centre; Mon - Thurs only; Do NOT refrigerate	Do NOT refrigerate. Do NOT centrifuge; Request copy of result to SCL	TIS	NZBS	Funded
Tissue Typing - CLASS II	HLA-DR	Yellow CPDA	Refer patient to SCL collection centre; Mon - Thurs only; Do NOT refrigerate	Do NOT refrigerate. Do NOT centrifuge; Request copy of result to SCL	HLD	NZBS	Funded
Tissue Typing for organ / bone marrow transplant	Bone marrow donors; Transplant tray	Patient and donor: 4x Yellow CPDA; and 1x Red	Refer patient to SCL collection centre; Mon - Thurs only; Do NOT refrigerate	Do NOT refrigerate. Do NOT centrifuge; Request copy of result to SCL	TIS	NZBS	Funded
Tissue Typing Monthly Serum Sample (NZBS)	Monthly serum sample (for transplant tray)	1 x 10ml Red			TIS	NZBS	
Titanium (BLOOD)	Ti	Navy Blue K2EDTA		Refrigerate	MSE	CHL	Unfunded
Titanium (URINE)	Ti	Fresh random urine			MSE	CHL	Unfunded
TNF biologic drug monitoring	Free anti-TNF alpha; Anti TNF- $\alpha$ ; Anti-TNF antibodies; Infliximab (Remicade) monitoring; Adalimumab (Humira) monitoring; Etanercept (Enbrel) monitoring	Red	Patient should have been taking drug for at least 10 weeks. Samples should be taken at trough (pre-dose). Ensure drug name is clearly specified on request form	Separate serum	TNF	CHL	Funded
Tobramycin		Yellow	Trough = immediately pre-dose. Peak = 30 minutes post end of IV		TOB		Funded
Topiramate		Red	Note dose, dose time and time of collection	Separate serum	TOP	CHL	Funded
TORCH screen			Not available - individual tests must be requested (usually toxoplasma, rubella, CMV, herpes simplex; sometimes HIV and syphilis also included)				
Total T3		Red	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		TT3 to be added by biochem only	CHL	
Total T4					added by Biochem only	CHL	
Toxaemia Screen	H.O.P. Screen; PET Screen; Pre-eclampsia screen; Includes uric acid, creatinine and LFT (BLOOD) and protein (URINE)	Yellow AND Urine	24-hour (PLAIN bottles) or random	Centrifuge blood; Measure and record volume of 24-hour urine	UA; CRE; LFT; UPR		Funded
Toxocara serology		Yellow		Separate serum	TOC	CHL	Funded
Toxoplasma	Toxo; T. gondii	Yellow			TOX	OTG	Funded
Toxoplasma PCR	T. gondii; Toxoplasmosis; Toxoplasma DNA	LAVENDER	Microbiologist approval required	Microbiologist approval required; Deliver sample to Molpath; If weekend, give sample to Microbiology to place in the Molpath bin	TOD	CHL	Funded



Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
TPMT activity	Thiopurine methyl transferase activity	2x Lavender		Send whole tube. The TPMT activity test is more frequently requested than the genetic analysis; if request is unclear just enter TPM	TPM	CHL	Funded
TPMT gene analysis	Thiopurine methyl transferase genetics	2x Lavender		Send whole blood	TPG	CHL	Funded
Transaminases		Yellow	Part of LFTs	Centrifuge	ALT & AST		Funded
Transferrin isoform	Carbohydrate deficient glycoprotein, CDG, inborn error metabolism	Red	Specialist only (paediatrician, geneticist)	Separate serum. [This test is for an inborn error of metabolism, typically performed on children. Do not confuse with carbohydrate deficient transferrin, which has a different test]	MSE	CHL	Specialist or patient paid only
Transferrin receptors	STfR; Soluble Transferrin receptors	Yellow		Separate serum and freeze	TRA	CHL	Funded
Transfusion Reaction	TR	Various		Doctor code BBANK Billing codes BBANK; Forward samples to Microbiology	TR	OTG	
Transitional Cell Carcinoma	TCC; TCC cells; Bladder cancer cells; urothelial cell carcinoma	Urine - fresh random collection		Result is processed in Lab Solutions	LSN		Funded
TRAUMA	Trauma profile for ED, Dunedin Hospital. Includes CBC, UCL, LFH, GLU, BG, ACH, COA	Lavender, Green, Blue and Blood Gas syringe		Mark as Urgent	=TRAUMA	OTG	
Trauma panel Southland	Includes CBC, UCL, LFT, COA, CCG, ACH	Lavender, Green, Blue, Blood Gas Syringe			=TRAUMAS	STH	
TRICCS III Study	Transfusion requirements in cardiac surgery			Dr Code = TRCCS; Billing Code = TRCCS	as per form	OTG	Study
Trichloroacetic acid	TCA	Urine- fresh random collection	Collect after exposure	Send whole pottle	TCA	CHL	Funded
Trichloroethylene	Perchloroethylene	Urine - fresh random collection	Collect after exposure	Send whole pottle	TCA	CHL	Funded
Trichomonas	Trichomonas vaginalis; trich; T. vaginalis	Aptima SWAB (Chlamydia/gonorrhoea) specimen		Refrigerate	TVA	OTG	Funded
Trimethylamine	TMA excretion	Urine	Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	Freeze urine	TMA	CHL	Funded
Trimipramine		2x Red	Collect 18-hours post-dose	Separate serum	TRM	CHL	Funded
Troponin I (i-STAT)	TNI	Green, whole blood	Testing on the i-STAT hand-held analyser only	Whole blood or plasma	TNI		Funded
Troponin T	TNT; Myocardial enzymes; Myocardial injury markers	Yellow		Dunedin specimen reception - Urgent to STAT bench	HTN		Funded
Trypsin		Faeces	Test no longer available	Test no longer available	PC	CHL	Funded
Tryptase	Mast cell tryptase	Red	Record date and time of last anaphylactic reaction; Transport at room temperature	Separate; Transport at room temperature	TRY	Wellingt on SCL	Funded
Urea (BLOOD)	BUN	Yellow		Centrifuge	URE		Funded
Urea (URINE)		Urine - fresh random; Urine - 24-hour (plain)	Random urine OR 24-hour urine (plain bottle)	Measure and record 24-hour urine volume	URA		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Urea Breath Test	Helicobacter pylori breath test; urease breath test	N/A	This test is not performed by SCL Otago/Southland. Patients should contact their local gastroenterology department			OTG	Not available
Uric Acid - BLOOD	UA; urate	Yellow		Centrifuge	UA		Funded
Uric Acid - FLUID	UA; Urate	Fluid	To chemistry STAT bench	Site code required	FUR		Funded
Uric Acid - URINE	UA; urate	Urine - fresh random; Urine - 24-hour (plain)	Random urine OR 24-hour urine (plain bottle)	Measure and record 24-hour urine volume	UUR		Funded
Urine Culture		Urine - fresh random collection; Mid-stream sample preferred		Site code required	U		Funded
Urine dipstick chemistry	Includes: protein; specific gravity; glucose; pH; ketones; urobilinogen; bilirubin; leucocytes; albumin; red blood cells; nitrites; haemoglobin	Urine			UDC		Funded
Urine drug screen (CADS)	For Community Alcohol & Drug Service requests only. Narcotic Screen; CADS Basic Drug Screen	Urine - fresh random collection	Cannabinoids; Opiates; Benzodiazepines; Methadone; Oxycodone	Check drugs listed on request form	CDS		Funded
Urine drug screen (clinical)	Narcotic Screen; Urine basic drug screen	Urine - fresh random collection	This testing is offered for bona fide clinical purposes only. (Never for commercial, legal or employment purposes. Please see separate entry on "employment/evidential" drug screening.); Standard screen includes cannabinoids, amphetamines, benzodiazepines & opiates	Double-check drugs listed on request form. Commercial/employment requests of any sort are to be declined	AB (DOA)		Funded
Urine drug screen (Employment/Evidential)			We do not have any involvement in this kind of testing. The requester will need to make contact with a third party who specialises in employment/evidential testing. We cannot make any formal recommendations regarding alternative services, however we can suggest the requester makes contact with ESR, CHL, or the Drug Detection Agency to make their own arrangements for testing		Not available		Not available
Urine Microscopy		Urine - MSU			U (UM - to be entered by Microbiology only)	OTG	
Urine red cell morphology	Dysmorphic red blood cells (RBCs)		Test no longer available; Enquiries to microbiology		MC	OTG or STH	
Urine steroid profile	Steroid profile investigations	Plain 24-hour urine		Make 2x 40mL urine aliquots, send at ambient temperature	MSE	CHL	Unfunded
Urine volume	24 hour urine volume	24 hour urine		Measure volume & test for creatinine	UCR	OTG	
Valproate	Valproic acid; Epilim	Yellow	Collect pre-dose	Centrifuge	VAL		Funded
Vanadium	V	Urine - fresh random collection		Send whole pottle	UVA	CHL	Funded
Vancomycin		Yellow	Trough = immediately pre-dose; Peak = 30 minutes post end of IV	Centrifuge	VAN		Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Vancomycin Resistant Enterococci	VRE	Faeces		This sample may be 'precious' - if there are labelling issues please see the micro lab before discarding	VRE		Funded
Vasoactive intestinal polypeptide	VIP	Lavender	Place on ice and deliver to lab promptly	Separate plasma and freeze ASAP	VIP	CHL	Funded
Venesection (where available)			Not available in all regions		VEN		Funded
Very long chain fatty acids		Green	Sample must not be haemolysed	Separate plasma and freeze	VFA	CHL	Funded
Viral culture (SWAB)	Herpes	Orange swab		Refrigerate	V	OTG	Funded
Viral serology / titre			Insufficient detail - we need to know which virus; Refer to immunology		IC		
Viscosity (PLASMA)		Lavender	Mark top of tube. Do not refrigerate	Centrifuge and separate plasma. Transport 2.0 ml at room temperature	VIS	CHL	Funded
Viscosity (WHOLE BLOOD)		Lavender	Do NOT refrigerate; Mark top of tube	Send whole tube	HBV	CHL	Funded
Vitamin A	Retinol; Includes Vitamins A and E	Yellow	Protect from light	Separate serum and freeze; Protect from light	VA	CHL	Funded
Vitamin B1	Thiamine pyrophosphate; Transketolase; Red cell thiamine; TPP	Green NO GEL; Dedicated tube that cannot be used for other tests	Do NOT centrifuge; Deliver to laboratory within 3 hours; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		THI	CHL	Specialist or patient paid only
Vitamin B12 & Folate	B12; Cobalamin	Yellow		Centrifuge	BFO		Funded
Vitamin B2	FAD; Flavine adenine dinucleotide; Riboflavin	Lavender	Protect from light	Freeze whole blood; Protect from light	VB2		Funded
Vitamin B6	Pyridoxal phosphate; Pyridoxine	Lavender	Protect from light	Freeze whole blood tube; Send frozen; Protect from light	VB6	CHL	Specialist or patient paid only
Vitamin C	Ascorbic acid; ascorbate	1x Green	Protect from light; Place on ice and deliver to lab promptly	Centrifuge, separate & freeze 1mL plasma within 2 hours; Leucocyte Vitamin C preparation no longer required - refer to CHL update here <a href="#">Vitamin C update 1 May 2018.pdf</a>	VC	CHL	Funded
Vitamin D	25-OH Vitamin D; 25-hydroxy vitamin D; 25-OH cholecalciferol; Hydroxy vitamin D	Yellow	Clinical Criteria for testing to be funded: 1. Ordered by a Hospital referrer; 2. Ordered for those in specific high risk groups for rickets/osteomalacia (e.g. cystic fibrosis, proven malabsorption, bariatric surgery, refugees, those with deeply pigmented skin and those who wear clothing that covers the head and face); 3. Ordered for the investigation and/or treatment of rickets, osteomalacia, osteoporosis, or disorders of calcium and phosphate metabolism; 4. Children under 16 years of age; 5. Ordered for other patients after discussion with, and approval by, a Chemical Pathologist; 6. Patient on Rituximab (Rituxan)		VIT	OTG	Special restrictions
Vitamin D 1,25 Dihydroxy	Calcitriol; 1,25-dihydroxycholecalciferol	Red	This is NOT the usual test for Vitamin D status; Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		DVD	CHL	Unfunded
Vitamin E	Tocopherol; Includes Vitamins A and E	Yellow	Protect from light	Separate serum and freeze; Protect from light	VA	CHL	Funded
Vitamin K		Yellow	Protect from light	Separate serum and freeze; Protect from light	VTK	CHL	Funded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Voltage-gated Calcium Channel	VGCC	Yellow		Centrifuge. Prepare sendaway but check with immunology before despatch	MSE	LabPlus	Funded
Voltage-gated Potassium Channel Antibodies	Voltage-gated K channel antibodies; LGI-1; CASPR2	Yellow		Centrifuge. Prepare sendaway but check with immunology before despatch	VGK	LabPlus	Funded
von Willebrand screen	VWF studies; Ristocetin co-factor; FVIII:C; VWF activity; VWF antigen	3x Blue - fill to line	Deliver to laboratory within 3 hours; Mark top of tubes	Refer to Coagulation Specimen Preparation Manual	VON; PT; APT	OTG	Funded
Voriconazole		Red		Centrifuge and refrigerate; Special funding approval in place for patient UCS7477 18/12/17	MSE	CHL	Unfunded
VWF Multimer		Blue - fill to line	Haematologist approval required; See CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	See CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>	MTR	CHL	Unfunded and specialist only
Warfarin Assay		Lavender	Mark top of tube; Do not confuse with INR test	Mark top of tube	WAR	LabPlus	Unfunded
West Nile Virus serology		Yellow	Travel history required; Clinical details required; Microbiologist approval required	Travel history required; Clinical details required; Microbiologist approval required; Immunology/microbiologist will organise sendaway	ARB		Funded
White Cell Cystine		Lavender	Microcollect specimens are unsuitable. DO NOT FREEZE. Whole blood must be transported at room temperature and received by Labplus within 24h of collection to ensure white cell viability and accurate results. Samples with clots are unsuitable. Samples can only be received between 8am Monday to NOON Friday to allow for laboratory processing. Please inform Labplus of specimen transport arrangements	Microcollect specimens are unsuitable. DO NOT FREEZE. Whole blood must be transported at room temperature and received by Labplus within 24h of collection to ensure white cell viability and accurate results. Samples with clots are unsuitable. Samples can only be received between 8am Monday to NOON Friday to allow for laboratory processing. Please inform Labplus of specimen transport arrangements		LabPlus	
White cell enzymes	Hexosaminidase; Beta Hexosaminidase; Lysosomal enzymes / storage disease; Sphingomyelinase	3x Lavender	DO NOT refrigerate; DO NOT centrifuge	Send whole blood; Must be received at CHL within 18 hours	MSE	CHL	Funded for Paediatrics ONLY
White cell pellet			Refer to CHL protocol at <a href="http://www.labnet.co.nz/testmanager">www.labnet.co.nz/testmanager</a>		MSE	CHL	Funded
Worm ID		Worm			WRM	OTG	Funded
Xanthochromia		CSF	Protect from light		XAN	OTG	Funded
Xylene	Methylhippuric acid	Urine - fresh random collection	Collect immediately following exposure; Place on ice and deliver to lab promptly	Freeze	XYL	CHL	Funded
Yellow fever virus serology		Yellow			MSE	LTA	Unfunded
Yersinia serology		Yellow	Consult with microbiologist	Separate serum	YER	CHL	Unfunded

Test name	Other names	Sample type	Collect instructions	Lab instructions	Ultra code	Site	Funding
Zarontin	Ethosuximide	Red	Collect pre-dose	Separate serum	ETH	CHL	Funded
Zika virus serology		2x Yellow plus urine 50ml	Acute serum (taken within 5 days of symptom onset) and convalescent serum (2–3 weeks later) should be taken. Travel history required; Clinical details required; Microbiologist approval required Testing is by PCR (primarily) and should be performed within the first 2 weeks since symptom onset (or in asymptomatic pregnant women, of leaving the area of transmission)	No charge, provided patient is symptomatic or pregnant; Travel history required Including dates of travel; Clinical details of illness required Including date of onset of symptoms; Microbiologist approval required; Immunology/microbiologist will organise sendaway	ZIK		Funded if symptomatic or pregnant
Zinc	Zn	Navy Blue K2EDTA adult, or Green (paediatric only)	Deliver to laboratory within 3 hours	Separate plasma within four hours	ZN	CHL	Specialist or patient paid only
Zinc protoporphyrin		Lavender	Protect from light	Protect from light; Whole blood	ZPP	CHL	Funded