



**Canterbury - Health New Zealand**  
Canterbury Health Laboratories

**Client Number 3684**

PO Box 151, Christchurch Mail Centre, Christchurch, 8140  
550 Hagley Ave (Cnr Hagley Avenue & Tuam Street), Christchurch, 8011

**Telephone 03 364-0300**

**www.chl.co.nz**

**Authorised Representative**

Dr Joanne Mitchell  
Quality Manager

**Programme**

Medical Testing Laboratory

**Accreditation Number 508**

**Initial Accreditation Date 28 January 1994**

**Conformance Standard**

ISO 15189:2012

Medical Laboratories - Requirements for quality and competence


**Laboratory Services Summary**

**Ashburton Hospital**

- Biochemistry
- Haematology
- Patient Services
- Specimen Services
- Transfusion Medicine

**Christchurch Hospital**

- Biochemistry
- Cytology
- Genetics
- Haematology
- Histology
- Immunology
- Microbiology
- Mortuary
- Patient Services
- Point-of-care testing
- Serology
- Specimen Services
- Virology
- Workplace Drug Testing

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 1 of 16
--------------------------------------	---	----------	---------------	--------------



Canterbury - Health New Zealand  
Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

This laboratory is accredited for specific activities within the following disciplines:

**Ashburton Hospital**

**Biochemistry**

**General Biochemistry**

**Materials/Products**

Blood; Plasma; Serum; Urine

**Types of Examination/Technical Field**

Automation ISE Indirect  
Automation Colorimetric  
Automation Enzymatic  
Automation Immunoassay  
Blood Gases/Electrolytes/Metabolites  
Miscellaneous manual tests

**Endocrinology**

**Materials/Products**

Plasma; Serum

**Types of Examination/Technical Field**

Automation Immunoassay

**Haematology**

**General Haematology**

**Materials/Products**

Blood

**Types of Examination/Technical Field**

Full Blood Count  
Blood film preparation and staining - manual  
Blood film examination - microscopy  
ESR - manual  
Infectious Mononucleosis Screening  
Malarial parasites  
Other blood parasites

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 2 of 16
--------------------------------------	--	----------	---------------	--------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

**Haemostasis**

**Materials/Products**

Whole blood

**Types of Examination/Technical Field**

Coagulation Screen (PT only)

**Patient Services**

Ashburton Hospital	Type of Examination / Technical Field
Laboratory / Outpatients	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Collection of specimens for Scabies investigations Collection of urine for evidential drug testing Collection of specimens for paternity testing Collection of specimens for Synacthen testing Glucose Tolerance Tests Mantoux Testing Therapeutic Venesections Home visit collections Specimen preparation for transportation
Wards	Venepuncture collections Capillary collections Collection of specimens for Scabies investigations Collection of specimens for Synacthen testing Glucose Tolerance Tests

**Specimen Services**

- Specimen reception
- Specimen preparation and storage - manual
- Data registration
- Specimen preparation for transport to a national referral laboratory

**Transfusion Medicine**

**Type of Examination/Technical Field**

Storage and issue of blood components and products

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 3 of 16
--------------------------------------	--	----------	---------------	--------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

**Christchurch Hospital**

**Biochemistry**

**General Biochemistry**

**Materials/Products**

Blood; Plasma; Serum; Urine; CSF; Other body fluids; Faeces

**Types of Examination/Technical Field**

Automation ISE Indirect  
 Automation Colorimetric  
 Automation Enzymatic  
 Automation Immunoassay  
 Therapeutic drug monitoring  
 Blood Gases/Co-oximetry/Electrolytes/Metabolites  
 Osmolality  
 Miscellaneous manual tests

**Immunochemistry**

**Materials/Products**

Serum; Plasma; Blood; Urine; CSF

**Types of Examination/Technical Field**

Nephelometry – automated (performed in Proteins Laboratory)  
 Electrophoresis (performed in Proteins Laboratory)  
 Immunofixation (performed in Proteins Laboratory)

**Endocrinology**

**Materials/Products**

Plasma; Serum; Saliva; Urine; Water (dialysis water)


**Types of Examination/Technical Field**

Automation Immunoassay  
 RIA  
 ELISA - manual  
 LC-MS/MS (Performed in Specialist Biochemistry)

**Toxicology**

**Materials/Products**

Blood; Plasma; Serum; Urine

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 4 of 16
--------------------------------------	---	----------	---------------	--------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

**Types of Examination/Technical Field**

Automation Immunoassay  
 Spectrophotometric  
 GC  
 HPLC  
 LC-MS/MS

**Trace Metals (Performed in Specialist Biochemistry)**

**Materials/Products**

Blood; Plasma; Urine; Tissue; Other body fluids

**Types of Examination/Technical Field**

ICP-MS

**Specialist Biochemistry**

**Materials/Products**

Blood; Plasma; Serum; Urine; CSF; Other body fluids; Faeces; Renal stones; Tissue

**Types of Examination/Technical Field**

Spectrophotometric  
 Colorimetric  
 Enzymatic  
 ELISA  
 HPLC  
 LC-MS/MS  
 LC-MS (TOF)

FT-IR

Miscellaneous manual tests  
 Sweat tests

**Cytology**

**Non-gynaecological Cytology**

**Materials/Products**

Respiratory; Urinary; Alimentary; Oral; CSF; Vitreous; Fluid (pleural, pericardial, peritoneal); Female genital tract  
 Aspirates of various organs and body sites

**Types of Examination/Technical Field**

SurePath LBC  
 Conventional methods

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 5 of 16
--------------------------------------	--	----------	---------------	--------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

FNA Cytology

**Genetics**

**Cytogenetics**

**Materials/Products**

Blood; Bone Marrow; Amniotic Fluid; Chorionic Villus tissue; Other tissues – non-malignant; Other tissues – malignant; Formalin-fixed, Paraffin-embedded (FFPE) tissue

**Types of Examination/Technical Field**

- Tissue Culture
- Chromosome preparation
- Conventional G-banding
- Other banding techniques
- Fluorescence in-situ hybridisation (FISH)
- Chromosome analysis
- Molecular karyotyping

**Molecular Pathology**

**Materials/Products**

Blood; Bone marrow; Amniotic Fluid; Chorionic Villus tissue; Other tissues – non-malignant; Other tissues – malignant; Formalin-fixed, Paraffin-embedded (FFPE) tissue; Buccal swabs; Saliva; Urine; Guthrie spots

**Types of Examination/Technical Field**

- DNA extraction
- RNA extraction
- Real time PCR
- Real time RT-PCR
- DNA sequencing (Sanger or First Generation)
- DNA sequencing (Massive Parallel or Next Generation)
- Sequence analysis
- ddPCR
- SNP genotyping
- Copy number analysis
- Fragment analysis

**Molecular Oncology**

**Materials/Products**

Formalin-fixed, Paraffin-embedded (FFPE) tissue; Urine

**Types of Examination/Technical Field**

- DNA extraction

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 6 of 16
--------------------------------------	--	----------	---------------	--------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

Real time PCR  
 DNA sequencing (Massively Parallel or Next Generation)

**Haematology**

**General Haematology**

**Materials/Products**

Blood; Bone marrow

**Types of Examination/Technical Field**

- Full Blood Count
- Reticulocyte Count
- Blood film preparation and staining - manual
- Blood film preparation and staining - automated
- Blood film examination - microscopy
- Blood film examination - digital morphology
- ESR - manual
- ESR - automated
- Infectious Mononucleosis Screening
- Foetal Haemoglobin Estimation (Kleihauer)
- Malarial parasites
- Other blood parasites
- Bone marrow aspirate/trephine biopsy examinations


**Haemostasis**

**Materials/Products**

Plasma; Serum

**Types of Examination/Technical Field**

- Coagulation Screen (PT, APTT, Fibrinogen)
- Extended Coagulation Screen
- Thrombin Clotting Time
- Factor VIII
- Other specific factor assays
- D-Dimer (quantitative)
- Lupus Anticoagulant Screen
- Thrombophilia Screen
- Von Willebrand Screen
- Platelet Function Assay
- Platelet Aggregation Studies
- HIT screen
- Heparin assays
- Factor inhibitor assays
- Direct oral anticoagulant assays

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 7 of 16
--------------------------------------	---	----------	---------------	--------------



Canterbury - Health New Zealand  
Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

**Haemolytic Anaemia Investigations**

**Materials/Products**

Blood; Urine

**Types of Examination/Technical Field**

G6PD screen  
G6PD assay  
PK screen  
Urinary Haemosiderin  
Haemoglobinopathy/Thalassaemia screen  
Heinz Body  
Sickle Cell screen

**Miscellaneous Specialist Manual Testing**

**Materials/Products**

Blood; Bronchial fluids; Bone marrow; CSF

**Types of Examination/Technical Field**

Staining techniques  
Microscopy assessments

**Flow Cytometry**

**Materials/Products**

Blood; Stem Harvest Cells; FNA; Tissue; Bone marrow; CSF; Other fluids

**Types of Examination/Technical Field**

Diagnostic Immunophenotyping  
Stem Cell Transplantation  
Foetal and F cell quantitation

**Histology**

**Materials/Products**

Fresh tissue; Frozen tissue; Fixed tissue; Cell blocks; Bone

**Types of Examination/Technical Field**

Routine H&E stains  
Special stains  
Frozen sections  
Imprints  
Immunohistochemistry

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 8 of 16
--------------------------------------	--	----------	---------------	--------------





Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

Immunofluorescence  
 In situ hybridisation (ISH)

**Immunology**

**Autoimmune Serology**

**Materials/Products**

Serum; Plasma

**Types of Examination/Technical Field**

ELISA - manual  
 Indirect immunofluorescence (IFA) – manual and automated  
 Radioimmunoassay (RIA)  
 Immunoblot  
 Counter-current immunoelectrophoresis (CEIP)  
 Fluorescent enzyme immunoassay (FEIA)  
 Chemiluminescence

**Immunochemistry**

**Materials/Products**

Serum

**Types of Examination/Technical Field**

Electrophoresis

**Allergy Testing**

**Materials/Products**

Serum; Plasma

**Types of Examination/Technical Field**

IgE specific antibodies - FEIA  
 Total IgE - FEIA  
 Tryptase - FEIA  
 Skin Prick Testing

**Flow Cytometry**

**Materials/Products**

Blood

**Types of Examination/Technical Field**

Immune Deficiency Studies

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 9 of 16
--------------------------------------	--	----------	---------------	--------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

Therapeutic Drug Monitoring

**Materials/Products**

Serum; Plasma

**Types of Examination/Technical Field**

ELISA

Homogenous Mobility Shift Assay (HMSA) - HPLC

**Microbiology**

**Bacteriology**

**Materials/Products**

Urine; Blood; Swabs; Sputum/Respiratory samples; CSF; Other body fluids; Aspirates; Faeces; Tissue; Bone

**Types of Examination/Technical Field**

- Urine Dipstick - automated
- Urine Microscopy - manual
- Urine Microscopy - automated
- Microscopy - various techniques
- Rapid antigen detection tests
- Culture - various techniques
- Identification of organisms - conventional manual methods
- Identification of organisms - automated colorimetric
- Identification of organisms - automated mass spectrometry (MALDI-TOF)
- Antibiotic susceptibility testing - conventional manual methods
- Antibiotic susceptibility testing - automated
- MDRO screening/detection
- Crystal identification
- Sterility testing (Bronchoscopes, Endoscopes)
- Sterility testing (Environmental)
- Screening donor faeces for transplantation

**Parasitology**

**Materials/Products**

Faeces; Urine; Tissue; Skin; Respiratory samples; Other body fluids

**Types of Examination/Technical Field**

- Microscopy - various techniques
- Concentration
- Rapid antigen detection tests

**Mycology**

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 10 of 16
--------------------------------------	--	----------	---------------	---------------



Canterbury - Health New Zealand  
Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

**Materials/Products**

Skin scrapings; Nail clippings; Hair; CSF; Other body fluids; Bone marrow; Tissue; Respiratory samples; Swabs

**Types of Examination/Technical Field**

Microscopy - various techniques  
Culture  
Identification of fungi  
Antifungal susceptibility testing  
DNA extraction  
Real time PCR

**Mycobacteriology**

**Materials/Products**

Sputum/Respiratory samples; CSF; Urine; Other body fluids; Aspirates; Tissue; Bone marrow

**Types of Examination/Technical Field**

Microscopy - various techniques  
Culture - conventional techniques  
Culture - MGIT  
Identification of mycobacteria  
Antimicrobial susceptibility testing - first line antimicrobials  
DNA extraction  
PCR  
Next Gen Sequencing (NGS)  
Sequence analysis

**Molecular Microbiology**

**Materials/Products**

Faeces; Sputum/Respiratory samples; Tissue; Aspirates; Skin scrapings

**Types of Examination/Technical Field**

DNA extraction  
RNA extraction  
Real time PCR  
Conventional PCR  
DNA sequencing (Sanger/First Generation and NGS)  
Sequence analysis

**SARS-CoV-2 / Covid Testing**

**Materials/Products**

Nasopharyngeal Swab

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 11 of 16
--------------------------------------	--	----------	---------------	---------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

Saliva (surveillance only)

**Types of Examination/Technical Field**

NAAT including RT-PCR

**Mortuary**

Level 3: Mortuary with a post-mortem suite for forensic, coronial and hospital cases – with additional infrastructure and personnel expertise to perform high risk or specialised post-mortems

**Materials/Products**

Tūpāpaku/Deceased

**Type of Examination/Technical Field**

Body storage  
 Post-mortem investigations

**Patient Services**

Canterbury Health Laboratories	Type of Examination / Technical Field
Christchurch Hospital Laboratory / Outpatients	Venepuncture collections Capillary collections Receipt of other specimens (urine, faeces) Collection of urine for evidential drug testing Collection of specimens for Synacthen testing (Endocrine Collection Centre) Mantoux Testing Specimen preparation for transportation
Christchurch Hospital Wards	Venepuncture collections
Christchurch Women's Hospital Outpatients	Venepuncture collections Capillary collections Receipt of other specimens (urine, faeces) Glucose Tolerance Tests Specimen preparation for transportation
Christchurch Women's Hospital Wards	Venepuncture collections
Burwood Hospital Outpatients	Venepuncture collections Capillary collections Receipt of other specimens (urine, faeces) Specimen preparation for transportation
Burwood Hospital Wards	Venepuncture collections

**Point-of-care testing**

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 12 of 16
-----------------------------------	--	----------	---------------	---------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508


*In accordance with the general requirements of the International Standard ISO 22870:2016  
 'Point-of-care testing (POCT) – Requirements for quality and competence'*

<b>Ashburton Hospital</b>	<b>Materials/Products:</b> Whole blood
Laboratory	Blood Gases / Electrolytes / Metabolites / Creatinine Glucose PR / INR
Diabetes Clinic	HbA1C
Wards (refer to PoCT schedule)	Glucose
AAU	Blood Gases Ketones Covid/RSV/Flu

<b>Burwood Hospital</b>	<b>Materials/Products:</b> Whole blood
Special Care Unit	Blood Gases / Electrolytes / Metabolites Haemoglobin PR / INR
PACU	Haemoglobin
Orthopaedic Outpatients Department	Haemoglobin
Theatre	Haemoglobin
Wards (refer to PoCT schedule)	Glucose

<b>Christchurch Hospital</b>	<b>Materials/Products:</b> Whole blood; Plasma; Urine
Department of Anaesthetics (Theatre 9)	Blood Gases / Electrolytes / Metabolites  Haemoglobin Activated Clotting Time
ICU	Blood Gases / Electrolytes / Metabolites
PACU East	Haemoglobin
DSA (Radiology)	Activated Clotting Time PR/INR
Emergency Department	Urinalysis
Cardiology Day Unit	Activated Clotting Time PR / INR
Children's Acute Assessment Unit	Urinalysis
Paediatric Outpatients Department	HbA1C Urinalysis
Diabetes Centre	HbA1C
Haemostasis Clinic	PR / INR
Sexual Health	Urinalysis
Gastro Day Unit	PR / INR
Wards (refer to PoCT schedule)	Glucose

<b>Christchurch Women's Hospital</b>	<b>Materials/Products:</b> Whole blood; Urine
--------------------------------------	---

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 13 of 16
--------------------------------------	---	----------	---------------	---------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory

Accreditation Number 508

**SCOPE OF ACCREDITATION**

NICU (level 4)	Blood Gases / Electrolytes / Metabolites / Bilirubin
Birthing Suite (level 3)	Blood Gases Whole Blood Lactate
Birthing Suite/PACU	Haemoglobin
Maternity Outpatients Department	Urinalysis Haemoglobin
PACU West	Haemoglobin
Day Surgery	PR / INR
Wards (refer to PoCT schedule)	Glucose

<b>St George's Hospital</b>	<b>Materials/Products:</b> Whole blood
Theatre 8	Blood Gases / Electrolytes / Metabolites
ICU	Blood Gases / Electrolytes / Metabolites

<b>Southern Cross Hospital</b>	<b>Materials/Products:</b> Whole blood
PACU/Theatre	Blood Gases / Electrolytes / Metabolites

<b>Kaikoura Hospital</b>	<b>Materials/Products:</b> Whole blood
Setup room	Blood Gases / Electrolytes / Metabolites / Creatinine / Troponin I
Medical Centre	PR / INR
Wards (refer to PoCT schedule)	Glucose

<b>Princess Margaret Hospital</b>	<b>Materials/Products:</b> Whole blood
Wards (refer to PoCT schedule)	Glucose

<b>Hillmorton Hospital</b>	<b>Materials/Products:</b> Whole blood
Wards (refer to PoCT schedule)	Glucose

<b>Forte Health</b>	<b>Materials/Products:</b> Whole blood
Recovery Ward	Blood Gases / Electrolytes / Metabolites Haemoglobin

<b>General Practitioner's Surgeries</b>	<b>Materials/Products:</b> Whole blood
Bealey Ave A & E (Pegasus Health 24 Hour Surgery)	PR / INR
Cheviot Community Health Centre	PR / INR
Halswell Health	PR / INR
Riccarton Clinic	PR / INR
Amuri Community Health Centre	PR / INR
Hanmer Springs Medical Centre	PR / INR

<b>Pharmacies</b>	<b>Materials/Products:</b> Whole blood
Allenton (Searles) Pharmacy	PR / INR
Barrington Health Centre Pharmacy	PR / INR
Bells Pharmacy	PR / INR
Eastern Pharmacy Aranui	PR / INR

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 14 of 16
--------------------------------------	--	----------	---------------	---------------



Canterbury - Health New Zealand  
 Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

Fendalton Mall Pharmacy	PR / INR
Healthworks Pharmacy	PR / INR
Leeston Pharmacy	PR / INR
Life Pharmacy The Palms	PR / INR
Oxford Pharmacy	PR / INR
Parklands Pharmacy	PR / INR
QE II Pharmacy	PR / INR
Rangiora Pharmacy	PR / INR
Unichem Rolleston	PR / INR
St Martins Pharmacy	PR / INR
Unichem Bishopdale	PR / INR
Unichem Brighton Village	PR / INR
Medical Corner Pharmacy	PR / INR
Unichem Fenwicks Pharmacy	PR / INR
Life Pharmacy Rangiora	PR / INR
Unichem Community Pharmacy Linwood	PR / INR
Woodham Rd Pharmacy	PR / INR

**Serology**

**Materials/Products**

Serum; Plasma; Bronchial lavage; CSF

**Types of Examination/Technical Field**

Extended Viral Serology  
 Extended Bacterial/Parasitic Serology  
 Immuno-fluorescence

**Specimen Services**

Specimen reception  
 Data registration  
 Specimen preparation for transport to a national referral laboratory  
 Specimen preparation for transport to an international referral laboratory  
 Call Centre

**Virology**

**General Virology**

**Materials/Products**

Blood; Urine; Swabs; Faeces; Sputum/Respiratory samples; CSF; Tissue; Aspirates; Other body fluids

Operations Manager Authorisation:		Issue 52	Date:02/09/24	Page 15 of 16
--------------------------------------	--	----------	---------------	---------------



Canterbury - Health New Zealand  
Medical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 508

**Types of Examination/Technical Field**

Viral Culture

**Molecular Virology**

**Materials/Products**

Blood; Urine; Swabs; Faeces; Sputum/Respiratory samples; CSF; Tissue; Aspirates; Other body fluids

**Types of Examination/Technical Field**

DNA extraction

RNA extraction + cDNA conversion

Real time PCR

Conventional PCR

DNA sequencing (Sanger or First Generation)

**Workplace Drug Testing**

*In accordance with the general requirements of the Australian/New Zealand Standard AS/NZS 4308:2008 'Procedures for specimen collection and the detection and quantitation of drugs of abuse in urine' and Australian/New Zealand Standard AS/NZS 4760:2019 'Procedures for specimen collection and the detection and quantitation of drugs in oral fluids'*

**Materials/Products**

Urine, Oral Fluid

**Types of Examination/Technical Field**

Laboratory drug screening: Immunoassay

Laboratory drug screening: Mass Spectrometry

Confirmatory testing: LC-MS/MS

Operations Manager  
Authorisation:

Issue 52

Date:02/09/24

Page 16 of 16