



Wellington SCL

Wellington Hospital Laboratory

Client Number 175

Level 5 CSB, Wellington Hospital,
39 Riddiford Street, Newtown, Wellington, 6021

Telephone 04 381-5900

www.wellingtonscl.co.nz

Authorised Representative

Ms Alex Beavis
Quality & Safety Officer

Programme

Healthcare Programmes

Accreditation Number 241

Initial Accreditation Date 3 May 1984


Conformance Standard

ISO 15189:2012
Medical Laboratories - Requirements for quality and competence

Laboratory Services Summary

Wellington Hospital Laboratory

- Biochemistry
- Cytology
- Haematology
- Histology
- Immunology
- Microbiology
- Molecular Pathology
- Mortuary
- Patient Services
- Point-of-care testing
- Serology
- Specimen Services

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SCOPE OF ACCREDITATION

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

Wellington Hospital Laboratory

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
HbA1c - HPLC
Blood Gases/Co-oximetry/Electrolytes/Metabolites
Osmolality
Miscellaneous manual tests

Endocrinology

Materials/Products

Plasma; Serum; Urine

Types of Examination/Technical Field

Automation Immunoassay
HPLC

Immunochemistry

Materials/Products

Serum; Plasma, Urine

Types of Examination/Technical Field

Electrophoresis
Immunofixation

Toxicology

Materials/Products

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Blood; Serum; Urine

Types of Examination/Technical Field

Automation Immunoassay
HPLC

Specialist Biochemistry

Materials/Products

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

Types of Examination/Technical Field

Spectrophotometric
Colorimetric
HPLC
Miscellaneous manual tests
Sweat tests

Cytology

Non-gynaecological Cytology

Materials/Products

Respiratory; Urinary; Alimentary; Oral; CSF; Skin; Vitreous; Fluid (pleural, pericardial, peritoneal); Female genital tract (not cervical smears)
Aspirates of various organs and body sites

Types of Examination/Technical Field

SurePath LBC
Conventional methods
FNA Cytology

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

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Blood film examination - digital morphology
ESR - manual
ESR - automated
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

Haemolytic Anaemia Investigations

Materials/Products

Blood; Urine

Types of Examination/Technical Field

G6PD screen
Urinary Haemosiderin
Haemoglobinopathy/Thalassaemia screen
Sickle Cell screen

Miscellaneous Specialist Manual Testing

Materials/Products

Blood; Bone marrow; CSF

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Types of Examination/Technical Field

Staining techniques
Microscopy assessments

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
Immunofluorescence
Enzyme histochemistry

Immunology

Autoimmune Serology

Materials/Products

Serum; Plasma

Types of Examination/Technical Field

ELISA - automated
ELISA - manual
IFA - automated
IFA - manual
RIA
Immunoblot

Immunochemistry

Materials/Products

Serum; Plasma

Types of Examination/Technical Field

Nephelometry - automated
ELISA - automated

Allergy Testing

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Materials/Products

Serum

Types of Examination/Technical Field

IgE specific antibodies - EIA
Tryptase - EIA

Flow Cytometry

Materials/Products

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

Types of Examination/Technical Field

Diagnostic Immunophenotyping
Immune Deficiency Studies
Stem Cell Transplantation

Microbiology

Bacteriology

Materials/Products

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

Types of Examination/Technical Field

Urine Dipstick - automated
Urine Microscopy - manual
Microscopy - various techniques
Rapid antigen detection tests
Culture - various techniques
Identification of organisms - conventional manual methods
Identification of organisms - automated mass spectrometry
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; Other body fluids

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Types of Examination/Technical Field

Microscopy - various techniques
Concentration
Rapid antigen detection tests

Mycology

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
Detection of fungal antigens
Antifungal susceptibility testing
Collection of mycology specimens (skin, nail, hair)
Collection of specimens for Scabies investigations

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

Molecular Microbiology

Materials/Products

Sputum/Respiratory samples

Types of Examination/Technical Field

Hains line probe assay

Molecular Pathology

Molecular Haematology

Materials/Products

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Blood; Bone marrow

Types of Examination/Technical Field

DNA extraction
RNA extraction
Real time PCR
RT-PCR
DNA sequencing (Sanger or First Generation)
SNP genotyping
Fragment analysis

Molecular Microbiology

Materials/Products

Blood; Urine; Swabs; Sputum/Respiratory samples; Tissue; Aspirates

Types of Examination/Technical Field

DNA extraction
RNA extraction
Real time PCR
Conventional PCR
Other nucleic acid amplification tests
In-house assays
DNA sequencing (Sanger or First Generation)
Sequence analysis
Other nucleic acid amplification tests

Molecular Virology

Materials/Products

Blood; Urine; Swabs; Sputum/Respiratory samples; CSF; Tissue; Aspirates

Types of Examination/Technical Field

DNA extraction
RNA extraction
Real time PCR
DNA sequencing (Sanger or First Generation)
Other nucleic acid amplification tests

SARS-CoV-2 / Covid Testing

Materials/Products

¹Nasopharyngeal Swab

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²Saliva - Surveillance only

Types of Examination/Technical Field

RNA Extraction

¹qRT-PCR (using AusDiagnostics, Roche LightCycler and Perkin Elmer)

²qRT-PCR (using AusDiagnostics, Roche LightCycler and Perkin Elmer)

NAAT (cartridge based using GeneXpert)

Other NAAT (using Panther)

Molecular Pathology (Gribbles Palmerston North Laboratories - satellite of WSCL)

Molecular Virology

SARS-CoV-2 / Covid Testing

Materials/Products

Nasopharyngeal Swab

Types of Examination/Technical Field

RNA Extraction

qRT-PCR (screening with A*Star Fortitude qRT-PCR, confirmation with dnature RT-PCR)

Mortuary

Level 2: Mortuary with a post-mortem suite for forensic, coronial, hospital cases and appropriate high risk cases (no specialised post-mortems or those high risk cases required to be performed in a Level 3 Mortuary e.g. Creutzfeld Jakob Disease)

Materials/Products

Cadavers

Type of Examination/Technical Field

Body storage

Post-mortem investigations

Patient Services

	Type of Examination / Technical Field
Wellington Hospital / Outpatients	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Glucose Tolerance Tests Skin Allergy Testing Mantoux

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	Sweat Testing (managed by Biochemistry)
Wellington Hospital Wards	Venepuncture collections Capillary Collections
Courtenay Place	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 specimens for paternity testing Glucose Tolerance Tests Specimen preparation for transportation
Lambton Quay	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 Glucose Tolerance Tests Specimen preparation for transportation
Newtown	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Karori	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Kilbirnie	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Johnsonville	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair)

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	Glucose Tolerance Tests Specimen preparation for transportation
Petone	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Wainuiomata	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Lower Hutt Community	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 specimens for paternity testing Glucose Tolerance Tests Home visit collections (Managed for all WSCL sites) Specimen preparation for transportation
Lower Hutt Hospital wards	Venepuncture collections Capillary collections
Lower Hutt Outpatients	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Skin Allergy Testing
Upper Hutt	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Porirua	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs)

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	Collection of Mycology specimens (skin, nail, hair) Collection of specimens for Scabies investigations Collection of specimens for paternity testing Glucose Tolerance Tests Specimen preparation for transportation
Cannons Creek	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Paraparaumu	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Waikanae	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Specimen preparation for transportation
Kenepuru Hospital / Outpatients	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests
Kenepuru Hospital Wards	Venepuncture collections Capillary Collections

Point-of-care testing

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

Wellington Hospital	Materials/Products: Whole blood
Emergency Department	Blood Gases / Electrolytes / Metabolites / Haemoglobin
ICU	Blood Gases / Electrolytes / Metabolites / Haemoglobin

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NICU	Blood Gases / Electrolytes / Metabolites / Haemoglobin / Bilirubin / Creatinine
Theatres A	Blood Gases / Electrolytes / Metabolites / Haemoglobin
Theatres B	Blood Gases / Electrolytes / Metabolites / Haemoglobin

Serology

Materials/Products

Serum; Plasma

Types of Examination/Technical Field

Limited Serology - Hepatitis (A, B and C), HIV, Rubella, Syphilis
 Extended Viral Serology
 Extended Bacterial/Parasitic Serology
 Fungal Serology
 Infectious Mononucleosis Screening

Specimen Services

Specimen reception
 Specimen preparation and storage – manual
 Specimen preparation and storage – automated (managed by Biochemistry)
 Data registration
 Specimen preparation for transport to a national referral laboratory
 Specimen preparation for transport to an international referral laboratory
 Call Centre
 Clinical Trials

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