



Pathlab Waikato Limited
 Medical Testing Laboratory

Accreditation Number 594

SCOPE OF ACCREDITATION

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

Pathlab Waikato

Biochemistry

General Biochemistry

Materials/Products

Blood; Plasma; Serum; Urine; Other body fluids

Types of Examination/Technical Field

Sample handling by DXA5000

Biochemical parameters by Beckman Coulter AU5800 autoanalyser using the following techniques:

- Automation ISE Indirect potentiometric assay
- Automation turbidimetric assay
- Automation colorimetric assay
- Automation latex agglutination

Therapeutic drug monitoring by Beckman Coulter AU5800 autoanalyser using the following techniques:

- Automation Chemiluminescence by immunoassay

Glycated haemoglobin (HbA1c) monitoring by Sebia Capillarys 3 Tera using the following techniques:

- Capillary Electrophoresis

Immunochemistry parameters by Sebia Capillarys 3 Tera using the following techniques:

- Capillary Electrophoresis
- Immunofixation

Endocrine parameters by Beckman Coulter DxI9000 autoanalyzer using the following techniques:

- Automation Chemiluminescence by immunoassay

Biochemical parameters by Hydrasys 2 using the following techniques:

- Electrophoresis
- Immunofixation

Optilite for free light chains and IgE by Optilite using the following techniques:

- Turbidimetric

Haematology

General Haematology

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Materials/Products

Blood; Bone marrow

Types of Examination/Technical Field

Full blood count parameters by DxH 800/DxH 900 haematology analyser using the following techniques:

- Volume (impedance)
- Conductivity (radio frequency)
- Scatter (flow cytometry)
- Photometry

Peripheral blood film preparation and staining by the following techniques:

- Blood film preparation and staining - manual
- Automated by Beckman Coulter DxH SMS

Blood film examination by light microscopy:

- Manual conventional method
- Digital using HemaVision
- Malarial parasites and other blood parasites

Erythrocyte Sedimentation Rate (ESR) by the following techniques:

- Automated by Starsed Inversa
- Semi-Automated by Mix Rate 20

Other semi-quantitative or qualitative parameters by the following manual or kit methodologies:

- Acid elution (Kleihauer)
- Immuno-chromatographic Technique for Malaria and α -Thalassaemia

Bone marrow aspirate/trephine biopsy examinations by manual staining techniques

Haemostasis

Materials/Products

Plasma

Types of Examination/Technical Field

Haemostasis parameters by ACL TOP 750 (LAS) and 550 analysers using the following methods:

- Routine haemostasis screen (including dilute thrombin clotting time) by optical clot detection
- Correction studies (including incubated process) by optical clot detection
- Fibrin breakdown products quantitation by Latex Immunoturbidometric assay

Haemolytic Anaemia Investigations

Materials/Products

Blood; Urine

Types of Examination/Technical Field

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Urinary Haemosiderin by manual staining techniques:

Haemoglobinopathy/Thalassaemia screen by electrophoresis using:

- Alkaline gel
- Sebia Capillarys 3

Other semi-quantitative or qualitative parameters by manual or kit methodologies:

- Sickle Cell screen by Sickle Solubility Screen Test (manual) - turbidimetric
- G6PD screen using the CareStart G6PD Screen Test Kit

Histology

Materials/Products

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

Types of Examination/Technical Field

Processing, cutting and staining of frozen sections using the Leica CM1860UV Cryostat and H & E

Grossing of specimens for histological examination, includes:

- Use of Dragon dictation recognition software

Processing of fresh tissues using the HistoCore Pegasus and Leica ASP300S tissue processors

Embedding of fresh tissue using the Leica Arcadia C (cold plate) and Arcadia H embedding stations

Microtomy of paraffin embedded tissues using Leica rn2235 and HistoCore Biocut Microtomes

Automated staining using the Leica Autostainer XL and Leica CV 5030 Coverslipper

Tissue Imprints by manual method

Morphological assessment, interpretation and diagnosis by light microscopy

Return of tissue to patients

Immunology

Autoimmune Serology


Materials/Products

Serum; Plasma; Faeces

Types of Examination/Technical Field

Immunological parameters by DS2 using the following methods:

- Automated enzyme immunoassay

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Immunological parameters by Bioflash using the following methods:
Automated chemiluminescent microparticle immunoassay (CMIA)

Immunological parameters by Liaison using the following methods:
Chemiluminescence with paramagnetic microparticle solid phase

Indirect Fluorescent Antibody (IFA) assay using the following techniques:
IFA slide preparation by Quanta-Lyser 3000
Automated HEP-2 slide read by Nova View
Tissue antibody manual reading
Granulocyte mosaic manual put up and reading

Immunoblot examination by Euroline Immunoblot

Infectious Serology

Materials/Products

Serum; Plasma; Faeces

Types of Examination/Technical Field

Infectious serological, virological, bacterial and parasitological parameters by Abbott Alinity using the following methods:

Automated chemiluminescent microparticle immunoassay (CMIA)

Infectious serological, virological, bacterial and parasitological parameters by DS-2 using the following methods:

Automated enzyme immunoassay

Manual tests for Syphilis by RPR and TPHA using:

Particle agglutination

Patient Services

Pathlab Waikato	Type of Examination / Technical Field
Anglesea Clinic	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Collection of specimens for paternity testing Collection of specimens for Synacthen testing Glucose Tolerance Tests Skin Allergy Testing Therapeutic Venesections Home visit collections
Davies Corner	Venepuncture collections Capillary collections

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	Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests
Dinsdale	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests
Fairfield	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests
Glenview	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests
Rototuna	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections
St Andrews	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Testing Therapeutic Venesections
Leamington	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Home visit collections Specimen preparation for transportation
Cambridge	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Huntly West	Venepuncture collections Capillary collections

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Matamata	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 Therapeutic Venesections Home visit collections Specimen preparation for transportation
Morrinsville	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Ngaruawahia	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Otorohanga	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Paeroa	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation

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Putaruru	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Specimen preparation for transportation Home visits
Raglan	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Te Aroha	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Te Awamutu – Bank St	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Thames	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 Skin Allergy Testing Therapeutic Venesections Home visit collections Specimen preparation for transportation
Waihi	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests

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	Therapeutic Venesections Home visit collections Specimen preparation for transportation
Whangamata	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Home visit collections Specimen preparation for transportation
Whitianga	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Therapeutic Venesections Specimen preparation for transportation Home visits

Specimen Services

- Specimen reception
- Specimen preparation and storage - manual
- Specimen preparation and storage - automated
- Data registration
- Specimen preparation for transport to a national referral laboratory
- Call Centre
- Clinical Trials
- Logistics
- Courier

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