



Pathlab Bay of Plenty

Client Number 275

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Authorised Representative

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New Zealand

Programme

Medical Testing Laboratory

Accreditation Number 355

Initial Accreditation Date 26 November 1987

Conformance Standard

ISO 15189:2022
Medical Laboratories - Requirements for quality and competence

Laboratory Services Summary

Pathlab Bay of Plenty

- Biochemistry
- Cytology
- Haematology
- Histology
- Microbiology
- Molecular Pathology
- Patient Services
- Specimen Services
- Transfusion Medicine

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Pathlab Bay of Plenty
Medical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 355

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

Pathlab Bay of Plenty

Biochemistry

General Biochemistry

Materials/Products

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

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

Endocrinology

Materials/Products

Plasma; Serum

Types of Examination/Technical Field

Automation Immunoassay

Toxicology

Materials/Products

Urine

Types of Examination/Technical Field

Automation Immunoassay

Specialist Biochemistry

Materials/Products

Other body fluids

Types of Examination/Technical Field

Miscellaneous manual tests
Sweat tests

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SCOPE OF ACCREDITATION

Spectrophotometric
 Xanthochromia
 Urine Dipstick - manual
 Urine Dipstick - automated

Cytology

Gynaecological Cytology

Materials/Products

Cervical; Vaginal

Types of Examination/Technical Field

SurePath LBC - automated screening
 SurePath LBC - manual screening

Non-gynaecological Cytology

Materials/Products

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

Types of Examination/Technical Field

SurePath LBC
 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
 ESR - manual
 ESR - automated
 Foetal Haemoglobin Estimation (Kleihauer)
 Malarial parasites
 Other blood parasites

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SCOPE OF ACCREDITATION

Bone marrow aspirate/trephine biopsy examinations

Haemostasis

Materials/Products

Plasma

Types of Examination/Technical Field

Coagulation Screen (PT, APTT, Fibrinogen)
Thrombin Clotting Time
D-Dimer (quantitative)

Haemolytic Anaemia Investigations

Materials/Products

Urine

Types of Examination/Technical Field

Urinary Haemosiderin

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

Microbiology


Bacteriology

Materials/Products

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

Types of Examination/Technical Field

Urine Microscopy - manual
Urine Microscopy - automated

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SCOPE OF ACCREDITATION

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)

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
Molecular

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
Collection of mycology specimens (skin, nail, hair)
Collection of specimens for Scabies investigations


Molecular Pathology

Molecular Microbiology

Materials/Products

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

Types of Examination/Technical Field

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SCOPE OF ACCREDITATION

DNA extraction
RNA extraction
Real time PCR
Conventional PCR
Other nucleic acid amplification tests

Molecular Oncology

Materials/Products

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

Types of Examination/Technical Field

DNA extraction
Real time PCR

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
Real time PCR

SARS-CoV-2 / Covid Testing

Materials/Products

Nasopharyngeal Swab
Saliva

Types of Examination/Technical Field

RNA Extraction
NAAT including RT-PCR

Patient Services

Pathlab Bay of Plenty	Type of Examination / Technical Field
2 nd Avenue	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

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Cameron Road	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 Collection of specimens for Synacthen testing Collection of specimens for DNA testing Collection of specimens for FNA testing Glucose Tolerance Tests Skin Allergy Testing Home visit collections
Papamoa	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
Greerton	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
Katikati	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
Mount Maunganui	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
Tauranga Hospital Outpatients Department	Venepuncture collections Capillary collections Collection of Mycology specimens (skin, nail, hair)
Tauranga Hospital Wards	Venepuncture collections Capillary collections Collection of Mycology specimens (skin, nail, hair) Collection of specimens for Scabies investigations Glucose Tolerance Tests
Otumoetai	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 Specimen preparation for transportation
Te Puke	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
Bethlehem	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

Specimen Services

- Specimen reception
- Specimen preparation and storage - manual
- Specimen preparation and storage - automated
- Data registration
- Specimen preparation for transport to national and international referral laboratories
- Clinical Trials – preparation for transport to international central laboratories.

Transfusion Medicine

Materials/Products

Red blood cells; Plasma; Serum

Type of Examination/Technical Field

- ABO/Rh Group - automated
- ABO/Rh Group - manual
- Antibody Screen - automated
- Antibody Screen - manual
- Antibody Identification
- Abbreviated Crossmatch
- Full IAT Crossmatch
- Electronic Crossmatch
- Direct Antiglobulin Test
- Apt and Downey Test
- Red Cell Antigen Typing
- Antibody Titration
- Antibody Elution

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SCOPE OF ACCREDITATION

Autoadsorption
Cold Agglutinin Screen
Transfusion Reaction Investigation
Antenatal Blood Group and Antibody Screening
Antenatal Screening referrals for investigation
Rh Phenotype
Storage and issue of blood components and products
Cryoglobulins

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