





Pathlab Whakatane  
Medical Testing Laboratory

Accreditation Number 680

**SCOPE OF ACCREDITATION**

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

**Pathlab Whakatane**

**Biochemistry**

**General Biochemistry**

**Materials/Products**

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

**Types of Examination/Technical Field**

Biochemical parameters by Beckman Coulter DxC AU700 autoanalyser using the following techniques:

- Automation ISE Indirect
- Automation Kinetic
- Automation Tubidometric
- Automation Enzymatic

Therapeutic Drug monitoring by Beckman Coulter DxC AU700 autoanalyser using the following techniques:

- Automation Kinetic
- Automation Tubidometric
- Automation Enzymatic

Hormones and Cardiac parameters by Beckman Coulter Access 2 autoanalyser using the following techniques:

- Immune-enzymatic assay

**Haematology**

**General Haematology**

**Materials/Products**

Blood

**Types of Examination/Technical Field**

Full blood count parameters by DxH 900 haematology analyser(s) using the following techniques:

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

Full blood count parameters by DxH 500 haematology analyser(s) using the following techniques:

- Photometry
- Impedance

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Axial light loss

Peripheral Blood film preparation and staining by the following technique  
Automated smear and stain using Beckman Coulter DxH SMS  
Manual smear and stain baths/coplin jars  
Special staining for malaria and other blood parasites

Blood film examination by light microscopy:  
Automated digital method by Vision Haema  
Manual conventional method  
Malaria (thick and thin films) and other blood parasite screen

Erythrocyte Sedimentation Rate by the following techniques:  
Automated modified Westergren by Elitech MicroSED  
Manual modified Westergren method

Foetal Haemoglobin Estimation  
Acid elution (Kleihauer) stain and examination by light microscopy

**Haemostasis**

**Materials/Products**

Plasma

**Types of Examination/Technical Field**

Haemostasis parameters/profiles by IL ACL350 analyser using the following techniques:  
Routine haemostasis screen by optical clot detection  
Fibrin Breakdown product(s) quantitation by Latex Immunoturbidimetric assay

**Special Haematology**

**Materials/Products**

Blood

**Types of Examination/Technical Field**


Blood film preparation and staining by the following technique  
Manual supravital stains and examination by light microscopy

**Microbiology**

**Bacteriology**

**Materials/Products**

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

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**Types of Examination/Technical Field**

Urine and fluid cell counts by the following techniques:

- Light microscopy
- Phase contrast microscopy

Blood culture analysis by Bactec FX using:

- Fluorescence

Bacterial culture using the following techniques (put up only):

- Manual inoculation of agars and broths

Antimicrobial susceptibility testing using the following techniques (put up only):

- Disk diffusion (EUCAST / CLSI)

**Molecular Pathology**

**Materials/Products**

Sputum/Respiratory samples, Nasopharyngeal Swab

**Types of Examination/Technical Field**

NAAT by GeneXpert using the following cartridges:

- Xpress CoV-2/Flu/RSV plus

Nucleic acid extraction and amplification for molecular testing using BD Max and the following techniques:

- Real Time PCR

**Patient Services**

Pathlab Whakatane	Type of Examination / Technical Field
Whakatane Hospital Laboratory	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, hair) Collection of specimens for paternity testing Glucose Tolerance Tests Skin Allergy Testing Therapeutic Venesections Home visit collections
Whakatane Hospital Wards	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, hair) Collection of specimens for Synacthen testing Glucose Tolerance Tests
Whakatane	Venepuncture collections Capillary collections

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	Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, hair) Glucose Tolerance Tests Specimen preparation for transportation
Kawerau	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, hair) Glucose Tolerance Tests Specimen preparation for transportation
Opotiki	Venepuncture collections Capillary collections Collection/receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, hair) Glucose Tolerance Tests Specimen preparation for transportation

**Specimen Services**

- Specimen reception
- 24-Hour urine
- Specimen preparation and storage - manual
- Data registration
- Specimen preparation for transport to alternative Pathlab Laboratories
- Clinical Trials

**Transfusion Medicine**

**Materials/Products**

Red blood cells; Plasma; Serum

**Type of Examination/Technical Field**

The following Transfusion related parameters by Immucor Echo and Immucor capture technology:

- ABO/Rh Group
- Antibody Screen
- Antibody Identification
- Full IAT Crossmatch
- Direct Antiglobulin Test (monospecific and polyspecific)
- Red cell antigen/Phenotyping
- Antibody Elution

The following Transfusion related parameters by manual Ortho Workstation and Gel Cards:

- Antibody Screen
- Antibody Identification
- Full IAT Crossmatch
- Direct Antiglobulin Test (monospecific and polyspecific)

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Red Cell Antigen Typing/Phenotyping  
Antibody Elution

The following Transfusion related parameters by manual tube techniques:

- ABO/Rh Group
- Abbreviated/Immediate Spin Crossmatch
- Red Cell Antigen Typing
- Full IAT Crossmatch
- Direct Antiglobulin Test (monospecific and polyspecific)
- Alkali Denaturation (Apt and Downey)
- Antibody Elution

Transfusion Reaction Investigation

Storage and issue (including electronic) of blood components and products

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