



Pathlab Rotorua

Client Number 7551

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Authorised Representative

Michaela Head
Quality Officer/ Manager Taupo/Rotorua

Programme

Medical Testing Laboratory

Accreditation Number 1005

Initial Accreditation Date 30 September 2008

Conformance Standard

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

Laboratory Services Summary

Pathlab Rotorua, Rotorua Hospital

Biochemistry
Haematology
Microbiology
Patient Services
Specimen Services
Transfusion Medicine

Operations Manager
Authorisation:

Issue 28

Date:09/01/25

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Pathlab Rotorua
Medical Testing Laboratory

SCOPE OF ACCREDITATION

Accreditation Number 1005

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

Pathlab Rotorua, Rotorua Hospital

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 and DxC AU480 autoanalyser(s) using the following techniques:

- Automation ISE Indirect
- Automation Kinetic
- Automation Turbidometric
- Automation Enzymatic

Endocrine parameters by Beckman Coulter Dxl 600 Autoanalyser using the following techniques:

- Automation Chemiluminescent Immunoassay

Therapeutic drug monitoring by Beckman Coulter DxC700 autoanalyser using the following techniques:

- Automation Kinetic
- Automation Turbidometric
- Automation Enzymatic

Osmolality Parameters by Osmo 1 using the following techniques:

- Depression of freezing point

Biochemical and Blood Gas parameters by ABL90 Flex Plus using the following techniques:

- ISE Direct
- Absorbance and reflectance

Biochemical and Blood Gas parameters by Abbott iStat using the following cartridges:

- CG4+ cartridge
- CHEM8+ cartridge
- cTnl cartridge

Specialist Biochemistry

Materials/Products

Other body fluids

Types of Examination/Technical Field

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SCOPE OF ACCREDITATION

Collection of sweat samples for iontophoresis testing

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

Dipstick analysis (qualitative)

Haematology

General Haematology

Materials/Products

Blood

Types of Examination/Technical Field

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

Volume (impedance)

Conductivity (radio frequency)

Scatter (flow cytometry)

Photometry

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 technique:

Automated modified Westergren by Elitech Microsed

Manual modified Westergren method

Foetal Haemoglobin Estimation:

Acid elution (Kleihauer) stain and examination by light microscopy

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

Immunochromatographic technique

Bone marrow aspirate/trephine biopsy examinations (preparation only)

Haemostasis

Materials/Products

Plasma

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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

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:

Manual inoculation of agars and broths

Bacterial identification using the following techniques:

Manual stain and light microscopy

Rapid Antigen Test (ICT)

Antimicrobial susceptibility testing using the following techniques:

Disk diffusion (EUCAST / CLSI)

Molecular Pathology

Materials/Products

Sputum/Respiratory samples/Nasopharyngeal Swab

Types of Examination/Technical Field

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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 Rotorua	Type of Examination / Technical Field
Haupapa Street	Venepuncture collections Capillary collections 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 Specimen preparation for transportation
Rotorua Hospital Outpatients	Venepuncture collections Capillary collections Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests Lactose Tolerance testing Skin Allergy Testing Therapeutic Venesections
Rotorua Hospital Wards	Venepuncture collections Capillary collections Collection of Mycology specimens (skin, nail, hair) Collection of specimens for Scabies investigations Glucose Tolerance Tests Skin Allergy Testing Therapeutic Venesections
Ngongotaha Medical Centre	Venepuncture collections Capillary collections Receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests
Te Ngae Medical Centre	Venepuncture collections Capillary collections Receipt of other specimens (urine, faeces, swabs) Collection of Mycology specimens (skin, nail, hair) Glucose Tolerance Tests

Specimen Services

Specimen reception

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SCOPE OF ACCREDITATION

Specimen preparation and storage - manual
Specimen preparation and storage - automated
Data registration
Specimen preparation for transport to alternative Pathlab Laboratories
Specimen preparation for transport to a national referral laboratory
Clinical Trials

Transfusion Medicine

Materials/Products

Red blood cells; Plasma; Fractionated products

Type of Examination/Technical Field

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

- Antibody Screen
- Antibody Identification
- Full IAT Crossmatch
- Direct Antiglobulin Test (monospecific and polyspecific)
- Red Cell Antigen Typing/Phenotyping
- Antibody Elution

The following Transfusion related parameters by manual tube technique:

- 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

Remote blood, product and storage equipment oversight:
Southern Cross Rotorua Hospital

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