Medical Laboratory Accreditation Programme

Schedule to

CERTIFICATE OF ACCREDITATION

Awanui Labs Hutt Valley and Kenepuru **Client Number 249**

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Programme
Medical Testing Laboratory

Accreditation Number 270 **Initial Accreditation Date** 19 August 1985

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

Laboratory Services Summary

Awanui Labs, Hutt Valley Hospital Laboratory
- Biochemistry
- Haematology
- Histology
- Microbiology
- Point-of-care testing
- Specimen Services
- Transfusion Medicine

Awanui Labs, Kenepuru Hospital Laboratory
- Biochemistry
- Haematology
- Specimen Services

IANZ; Building 7, Central Park, 660-670 Great South Road, Ellerslie, Auckland 1051
Private Bag 28908, Remuera, Auckland 1541
Tel 09-525 6655 info@ianz.govt.nz ***ianz.govt.nz***

Awanui Labs Hutt Valley and Kenepuru
Medical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 270

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

Awanui Labs, Hutt Valley Hospital Laboratory

Biochemistry

General Biochemistry

Materials/Products
Plasma; Serum; Urine; CSF; Other body fluids; Faeces

Types of Examination/Technical Field
Biochemical parameters by Roche c303 autoanalysers using the following techniques:
- Automation ISE Indirect
- Automation Colorimetric
- Automation Enzymatic
- Automation Turbidometric

Biochemical parameters by Roche e402 autoanalysers using the following techniques:
- Automation Immunoassay (ECLIA)

Therapeutic Drug monitoring by Roche e402 autoanalyser using the following techniques:
- Automation Turbidometric

Therapeutic Drug monitoring by Roche e402 autoanalyser using the following techniques:
- Automation Immunoassay (ECLIA)

Endocrinology parameters by Roche e402 autoanalyser using the following techniques:
- Automation Immunoassay (ECLIA)

Blood Gas and biochemical parameters by ABL 90 Flex Plus using the following techniques:
- ISE direct
- Absorbance and reflectance

Osmolality Parameters by Osmo 1 using the following techniques:
- Depression of freezing point

Miscellaneous manual tests using the following techniques
- Temperature control and visual inspection of precipitates
- Siemens Clinitek Urine dipstick

Biochemistry associated parameters/technologies/examinations may be included under POCT

Haematology

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Medical Testing Laboratory
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General Haematology

Materials/Products
Blood

Types of Examination/Technical Field
Full Blood Count parameters by Sysmex XN-10 and XN20 haematology analysers using the following techniques

- Direct current detection
- Photometry
- Flow cytometry (fluorescence, side scatter, forward scatter)

Peripheral blood film preparation and staining by the following techniques:

- Semi-automated using Siemens Haematek
- Manual smear and stain using coplin jars

Blood film examination by light microscopy:

- Manual conventional method
- Manual conventional method with digital camera for remote support
- Thick and Thin films for malaria

Erythrocyte Sedimentation Rate by the following method:

- Automated modified Westergren using Vital MicroSed system
- Manual modified Westergren using MicroSed system

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

- Kit based Immunochromatographic technique

Haemostasis

Materials/Products
Plasma

Types of Examination/Technical Field
Haemostasis parameters by Sysmex CS2500 analyser using the following methods

- Routine haemostasis screen by optical clot detection
- Anticoagulant (indirect) monitoring by optical clot detection
- Fibrin breakdown products quantitation by Latex Immunoturbidometric assay

Histology

Materials/Products
Fresh tissue; Frozen tissue; Fixed tissue; Bone

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Types of Examination/Technical Field
Sample Registration
Return to patient process
Preparation of tissue/slides for transport to other national and international laboratories.

Processing and cutting of frozen sections using the Leica Cryostat cm1860
Manual staining of frozen sections (H&E only)

Grossing of samples for histological examination
Includes the use of Dragon dictation software

Processing of tissues using the Tissue Tek VIP tissue processor(s)

Embedding of tissue using the Leica Arcadia H embedding stations

Microtomy of paraffin embedded tissues using Leica Biocut Microtomes

Staining of tissue by the following methods:
Automated by Sakura Tissue-Tek DRS 2000 automatic slide stainer
Automated special stains by Roche Ventana
Manual staining (special stains)
Immunohistochemistry and Immunofluorescence by Bond Prime

Morphological assessment, interpretation and diagnosis by
Conventional light microscopy

Microbiology

Bacteriology

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

Types of Examination/Technical Field
Urine and fluid cell counts by the following techniques:
Phase contrast microscopy
Sysmex XN Body Fluif Mode (Direct current detection, fluorescence, side scatter and forward scatter)

Detection and identification of Crystals by the following techniques
Polarised light microscopy

Blood culture analysis by BD Bactec FX using the following technique
Fluorescence

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Bacterial culture using the following techniques (culture only for sendaway):
Manual inoculation of agars, enrichment broths and slopes

Bacterial identification using the following techniques:
Manual stain and light microscopy

Urinalysis by the following methods:
Siemens Clinitek Urine dipstick

Point-of-care testing

Hutt Valley Hospital	**Materials/Products:** Whole Blood
ICU	RadiometerABL90 Flex Plus (direct ISE, absorbance and reflectance) Blood Gases/Co-oximetry/Electrolytes/Glucose/Lactate
SCBU	RadiometerABL90 Flex Plus (direct ISE, absorbance and reflectance) Blood Gases/Co-oximetry/Electrolytes/Glucose/Lactate
Maternity	RadiometerABL90 Flex Plus (direct ISE, absorbance and reflectance) Blood Gases/Co-oximetry/Electrolytes/Glucose/Lactate

Specimen Services

Specimen reception
Specimen preparation and storage - manual
Data registration
Specimen preparation for transport to a national referral laboratory
Clinical Trials
24 Hour Urine sample pre-processing

Transfusion Medicine

Materials/Products
Red blood cells; Plasma; antenatal samples, Transfusion Reaction Investigation Products

Type of Examination/Technical Field
The following Transfusion related parameters by Biorad IH1000 Autoanalyser and Gel cards
ABO/Rh Group
Antibody Screen

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The following Transfusion related parameters by manual Biorad Gel Cards and manual interpretation:
- ABO/Rh Group
- Antibody Screen
- Antibody Identification
- Full IAT Crossmatch
- Direct Antiglobulin Test (monospecific and polyspecific)
- Red Cell Antigen Typing
- Antibody Titration
- Antibody Elution
- Autoadsorption
- Cold Agglutinin Screen
- Rh Phenotype

The following Transfusion related parameters by manual tube technique and manual interpretation:
- ABO/Rh Group
- Antibody Screen
- Antibody Identification
- Immediate Spin/Abbreviated Crossmatch
- Apt and Downey Test
- Red Cell Antigen Typing
- Antibody Titration
- Antibody Elution

Storage and issue of blood components and products

Remote blood, product and storage equipment oversight:
- Boulcott Hospital

Awanui Labs, Kenepuru Hospital Laboratory

Biochemistry

General Biochemistry

Materials/Products
Plasma; Serum

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- Automation ISE Indirect
- Automation Colorimetric
- Automation Enzymatic

Blood Gas and biochemical parameters by ABL 90 Flex Plus using the following techniques:

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ISE direct
Absorbance and reflectance

Haematology

General Haematology

Materials/Products
Blood

Types of Examination/Technical Field
Full Blood Count parameters by Sysmex XN-10 and XN20 haematology analysers using the following techniques
Direct current detection
Photometry
Flow cytometry (fluorescence, side scatter, forward scatter)

Peripheral blood film preparation and staining by the following techniques:
Manual smear and stain using coplin jars

Blood film examination by light microscopy:
Manual conventional method

Haemostasis

Materials/Products
Plasma

Types of Examination/Technical Field
Haemostasis parameters by Sysmex CS2500 analyser using the following methods
Routine haemostasis screen by optical clot detection
Anticoagulant (indirect) monitoring by optical clot detection

Specimen Services

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