

# CERTIFICATE OF ACCREDITATION

## OPTIMUM HEALTH MEDICAL LABORATORY

*Company Registration BW00000532993*

**Facility Accreditation Number: MED 161**

is a SADCAS accredited Medical Laboratory  
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,  
Annexure "A", bearing the above accreditation number for

**MEDICAL TESTING LABORATORY  
BLOOD BANK, CLINICAL CHEMISTRY, HAEMATOLOGY, IMMUNOLOGY,  
MICROBIOLOGY AND SEROLOGY**

*The facility is accredited in accordance with the recognized International Standard*

**ISO 15189:2022**

*The accreditation demonstrates technical competency for a defined scope and the operation  
of a laboratory quality management system*

*SADCAS is a subsidiarity organization of SADC. A memorandum of understanding between SADC and  
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States  
as a multi-economy accreditation body*

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**Eve Christine Gadzikwa**  
**SADCAS Chief Executive Officer**

**Effective Date (Issue No:2): 08 December 2024**  
**Certificate Expires: 25 February 2029**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

Laboratory Accreditation Number: **MED161 (ISO 15189:2022)**

<p><b><u>Permanent Address of Laboratory</u></b> Optimum Health Laboratory Plot 220 Independence Avenue Extension 5 Gaborone Botswana</p> <p><b><u>Postal Address</u></b> P.O Box 405360 Gaborone Botswana</p> <p><b><u>Tel</u></b> : +267 3115478 <b><u>Cell</u></b> : +267 77063333 <b><u>Fax</u></b> : +26 3115479 <b><u>Email</u></b> : <a href="mailto:maatla@optimumhealthlab.co.bw">maatla@optimumhealthlab.co.bw</a></p>		<p><b><u>Technical Signatories</u></b> : As Authorized by the Head of Laboratory</p> <p><b><u>Nominated Representative</u></b> : Ms Maatla Bonolo Nkhwa</p> <p><b><u>Issue No</u></b> : 02 <b><u>Date of Issue</u></b> : 08 December 2024 <b><u>Expiry Date</u></b> : 25 February 2029</p>
DISCIPLINE/SAMPLE TYPE	TYPES OF TESTS	EQUIPMENT/METHOD
<p><b><u>BLOOD BANK</u></b> Whole Blood Whole Blood</p> <p><b><u>CLINICAL CHEMISTRY</u></b> Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Serum Plasma</p>	<p>ABO Blood Grouping Rhesus Typing</p> <p>Albumin Alanine Aminotransferase (ALT) Alkaline Phosphatase (ALP) Aspartate Aminotransferase (AST) Bilirubin, Total Bilirubin, Direct Total Cholesterol Chloride Creatine Kinase (CK) HDL Cholesterol Creatinine Gamma Glutamyl Transferase (GGT) Sodium Potassium Total Protein Triglycerides Glucose</p>	<p>Manual Method Manual Method</p> <p>Beckman Coulter AU480 Beckman Coulter AU480</p>

## ANNEXURE A

Laboratory Accreditation No: MED 161 (ISO 15189:2022)

Issue No: 02

Date of Issue: 08 December 2024

Date of Expiry: 25 February 2029

DISCIPLINE/SAMPLE TYPE	TYPES OF TESTS	EQUIPMENT/METHOD
<b><u>CLINICAL CHEMISTRY cont'd</u></b>		
Serum	Urea	Beckman Coulter AU480
Serum	Uric Acid	Beckman Coulter AU480
Whole Blood	Glycated Haemoglobin (HbA1C)	Boditech Ichroma III
<b><u>HAEMATOLOGY</u></b>		
Whole Blood	Full Blood Count (FBC)	Beckman Coulter DxH 560
<b><u>IMMUNOLOGY</u></b>		
Serum	Alpha - fetoprotein (AFP)	Beckman Coulter Access
Serum	CA 125	Beckman Coulter Access
Serum	CA 15.3	Beckman Coulter Access
Serum	CA 19 - 9	Beckman Coulter Access
Serum	Carcinoembryonic Antigen (CEA)	Beckman Coulter Access
Serum	Cortisol	Beckman Coulter Access
Serum	Estradiol (E2)	Beckman Coulter Access
Serum	Follicle Stimulating Hormone (FSH)	Beckman Coulter Access
Serum	Luteinizing Hormone (LH)	Beckman Coulter Access
Serum	Prolactin	Beckman Coulter Access
Serum	Parathyroid Hormone	Beckman Coulter Access
Serum	Progesterone	Beckman Coulter Access
Serum	Prostate Specific Antigen (PSA)	Beckman Coulter Access
Serum	Testosterone	Beckman Coulter Access
Serum	Thyroid Stimulating Hormone (TSH)	Beckman Coulter Access
Serum	Free T4	Beckman Coulter Access
Serum	Beta Human Chorionic Gonadotropin ( $\beta$ HCG)	Beckman Coulter Access
Serum	Insulin	Beckman Coulter Access
Serum	Vitamin B12	Beckman Coulter Access
<b><u>MICROBIOLOGY</u></b>		
Urine	Wet Preparation <ul style="list-style-type: none"> <li>• Cells</li> <li>• Cast</li> <li>• Crystals</li> <li>• Parasites</li> </ul>	Manual Method Manual Method
Urine	Chemistry	Manual Method
Urine	Chemistry	Siemens Clinitek Status +
High Vaginal Swab/Urine	Gram Stain	Manual Method
High Vaginal Swab /Urine	Culture and Identification	Manual Method
High Vaginal Swab /Urine	Antibiotic Sensitivity Testing	Microscan Autoscan

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DISCIPLINE/SAMPLE TYPE	TYPES OF TESTS	EQUIPMENT/METHOD
<u><b>SEROLOGY</b></u> Serum Serum Urine	HIV 1/2 Rapid Plasma Reagin (RPR) Beta Human Chorionic Gonadotropin ( $\beta$ HCG)- Qualitative	Rapid Immunochromatography Latex Agglutination Manual - Rapid

Original date of accreditation: 26 February 2024

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**Mrs Pinkie J Malebe**  
**SADCAS Technical Manager**