

CERTIFICATE OF ACCREDITATION

In terms of section 22(2)(b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

**AMPATH NATIONAL LABORATORIES
DRS DU BUISSON, KRAMER, SWART, BOUWER INC
POLOKWANE LABORATORY
Co reg no: 2007/018337/21
Practice no: 052 000 5200431**

Facility Accreditation Number: **M0122B**

is a South African National Accreditation System accredited laboratory provided that all SANAS conditions and requirements are complied with

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

**MEDICAL TESTING LABORATORY
ANDROLOGY, CHEMISTRY, HAEMATOLOGY,
MICROBIOLOGY AND SEROLOGY**

The facility is accredited in accordance with the recognised International Standard

ISO 15189:2007

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

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

**Mr R Josias
Chief Executive Officer**

**Effective Date: 01 November 2009
Certificate Expires: 30 September 2013**

ANNEXURE A

SCHEDULE OF ACCREDITATION

Testing Laboratory Number: M0122B

<p><u>Permanent Address of Laboratory:</u> AMPATH National Laboratories Polokwane Laboratory C/o Grobler & Burger Street Polokwane 0700</p> <p><u>Postal Address:</u> P O Box 3353 Polokwane 0700</p> <p>Tel : (015) 291-3385 Fax : (015) 295-3042 Email : botesd@ampath.co.za</p>	<p><u>Signatories:</u> Signatories as authorised by the Head of Laboratory</p> <p><u>Contact Person:</u> Mr D Botes</p> <p>Issue No. : 09 Date of issue : 07 July 2010 Expiry date : 30 September 2013</p>
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Discipline/ Sample Type	Types of Test	Equipment/ Method
<u>CHEMISTRY</u>		
Serum	Acetaminophen	Axsym
Serum	Alanine Aminotransferase (ALT)	DxC
Serum	Albumin	DxC
Serum	Alkaline Phosphatase (ALP)	DxC
Serum	Amylase	DxC
Serum	Aspartate Aminotransferase (AST)	DxC
Whole Blood	Base Excess	Rapid Point 405
Serum	Beta Human Chorionic Gonadotrophin (β HCG) Quantitative	Axsym
Serum	Beta Human Chorionic Gonadotrophin (β HCG) Qualitative	Cromatest Cassette
Serum, Whole Blood	Bicarbonate (CO ₂)	Rapid Point 405 / DxC
Serum	Bilirubin, Direct	DxC
Serum	Bilirubin, Total	DxC
Serum	Calcium (Total)	DxC
Serum	Carbamazepine	Axsym
Whole Blood	Carbon Dioxide (Total) (CO ₂)	Rapid Point 405
Serum, CSF	Chloride	DxC
Serum	Cholesterol (HDL)	DxC
Serum	Cholesterol (LDL)	DxC
Serum	Cholesterol (Total)	DxC
Serum	C-Reactive Protein (CRP)	DxC
Serum	Creatine Kinase (CK)	DxC
Serum	Creatinine	DxC
Serum	Gamma Glutamyl Transferase (GGT)	DxC
Plasma, CSF	Glucose	DxC
Serum	Lactate Dehydrogenase (LDH)	DxC
Serum	Magnesium	DxC

Original date of accreditation: 01 November 2001

Page 1 of 3

Senior Manager

ANNEXURE A

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Discipline/ Sample Type	Types of Test	Equipment/ Method
<u>CHEMISTRY</u>		
<u>(CONTINUED)</u>		
Serum	Osmolality	DxC
Whole Blood	PCO ₂	Rapid Point 405
Whole Blood	pH	Rapid Point 405
Serum	Phenytoin	AxSYM
Serum	Phosphate	DxC
Whole Blood	PO ₂	Rapid Point 405
Serum	Potassium	DxC
Serum	Procalcitonin (PCT)	Biomerieux Mini Vidas
Serum, CSF	Protein (Total)	DxC
Whole Blood	Saturation	Rapid Point 405
Serum	Sodium	DxC
Serum	Triglycerides	DxC
Whole Blood	Troponin T (Qualitative)	Roche Trop T Rapid
Serum	Urate	DxC
Serum	Urea	DxC
<u>HAEMATOLOGY</u>		
Plasma	Activated Partial Thromboplastin Time (APTT)	ACL 1000 / Manual Method
Whole Blood	Blood Grouping (ABO and Rh(D))	Manual Method-Tube
Whole Blood	Buffy Coat Smears	Hematek Stainer
Whole Blood	Coombs Test	Manual Method-Tube
Whole Blood	Differential Cell Count	Manual Method
Plasma	D-Dimer	Biomerieux Mini Vidas
Whole Blood	Erythrocyte Sedimentation Rate (ESR)	Winthrobe
Whole Blood	Full Blood Count and Differential Count	Advia 120 / Act 5 Diff CP
Plasma	International Normalised Ratio (INR)	ACL 1000
Whole Blood	Malaria Antigens	ICT Combo Cassette
Whole Blood	Malaria Smears	Giemsa and Hematek Stain
Plasma	Prothrombin Time (PT)	ACL 1000 / Manual Method
Whole Blood	Reticulocyte Count	Brilliant Cresyl Blue Stain
<u>MICROBIOLOGY</u>		
Urine	Chemistry	Manual Method
Swabs, Fluids, CSF, Sputum, Lower Respiratory Tract, Stool, Urine	Culture	Manual Method / Kirby Bauer
CSF, Urine	Macroscopy	Manual Method / Kirby Bauer
Swabs, Fluids, CSF, Sputum, Lower Respiratory Tract, Stool, Urine	Microscopy	Manual Method / Kirby Bauer
Stool	Parasites	Manual Method
Swabs, Fluids, CSF, Sputum, Lower Respiratory Tract, Stool, Urine	Sensitivity	Manual Method / Kirby Bauer

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Discipline/ Sample Type	Types of Test	Equipment/ Method
<u>SEROLOGY</u> Serum Serum Serum Serum Serum	Brucella Antibodies HIV Syphilis Weil-felix Test Widal Test	Manual Method / Agglutination Axsym / Rapid Strip Manual Method / Rapid Strip Manual Method / Agglutination Manual Method / Agglutination
<u>ANDROLOGY</u> Semen Semen Semen Semen Semen	Motility Post Vasectomy Semen Count Semen Wash Supravital Index	Manual Method Manual Method Manual Method Manual Method Manual Method
<u>OTHER TESTS</u> Skin Skin Skin	Allergy Tests Bleeding Time TB Mono Test	Manual Method Manual Method Manual Method

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Page 3 of 3

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Senior Manager