iMed Medical Group

DISTRIBUTORS | LABORATORIES | PHARMACEUTICALS

iMed
DISTRIBUTORS

Who We Are

iMed Distributors are suppliers of superior medical screening equipment and accessories throughout South Africa. These test kits have been developed according to internationally recognized quality standards and are offered at very competitive prices.

iMed Distributors are passionate about the health and social impacts of substance abuse, offering much more than only diagnostic drug test kits. We participate in wellness days at various levels in society and share experiences from recovering addicts in iMed on a personal level.

The iMed 24-hour Helpline is available to any person who is concerned about drug abuse or who is in need of advice or assistance in entering a rehabilitation program. We have contact with and access to rehabilitation facilities throughout South Africa. The helpline is manned by recovering drug addicts who are experienced in telephone counseling. Therefore they have intimate understanding of the difficulties surrounding addiction and deals with every situation with great empathy.

Our ultimate objective is to offer understanding and hope to individuals who have hit the bottom in substance abuse and are desperately in need of rescue and support on the path to recovery.

Help Hotline

When you purchase iMed's products and services, we include free access to our 24-hour addiction helpline for your employees. It is staffed by recovering drug addicts experienced in telephone counseling who possess expansive knowledge of the challenges associated with addiction. Callers facing struggles with drug and alcohol abuse are provided with understanding, empathy, and education to aid in their recovery.

Helpline: 0860 01 74 74

Why Use iMed Screening Tests?

Our drug screening test kits have been designed to screen for the typical South African drug abuse profile. The single and multi-panel tests kits feature rapid, one- step screening tests.

It is for the simultaneous qualitative detection of multiple drugs and drug metabolites in human urine. Therefore covering any combination of AMP, Barbiturates, Benzodiazepines, Cocaine, MET, MDMA, MOP, MTD, Opiates, Mandrax, Tricyclic Antidepressants and Marijuana.

Minimal product training is required for the one step testing procedures, while conveniently providing rapid results for multiple drug measurements.

iMed Distributors also offer a one-step pregnancy strip test and HIV test kit. Screening tests offer peace of mind, anonymity, and convenience in purchasing kits online.

When Is Drug Screening Required?

Urine drug screening can detect potential substance abuse problems. Should a drug screening read positive, a confirming laboratory analysis could be conducted in a laboratory. The drug user can then be assisted in starting a rehabilitation program.

Taking urine drug screening during rehabilitation helps to confirm that the procedures are working and ensures that no further substance abuse is taking place.

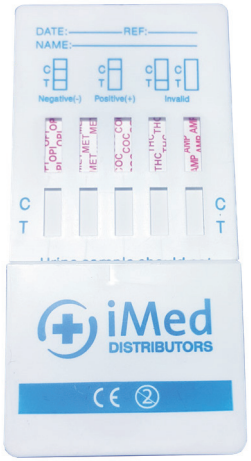
Why Use iMed Screening Tests?

There are several scenarios where urine drug screening may be a precautionary measure in ensuring health and safety of employees and members of the public.Occupations where there are risks of physical injury, e.g., all manufacturing and processing industries.

- Industries that may pose serious community health and environmental risks in the event of accidents, e.g., explosions, oil spills and discharges of hazardous chemicals.
- Positions of responsibility where sobriety is essential for decision making, which may relate to financial risks or management and employee conflict.
- Community wellness initiatives that are aimed at combatting drug abuse and its impacts on society.
- Drug and alcohol rehabilitation centres, to confirm control in the rehabilitation process.
- Jobs where being alert and focused are essential, e.g., air traffic controllers, truck drivers, operators of earth moving equipment, construction workers, etc.
- Public transport occupations, e.g., airline staff, train drivers, bus drivers and taxi drivers.
- Staff on fishing vessels, where weather conditions can be challenging and alertness is required for safe management of the situation.
- Recreation occupations, e.g., personnel on boat cruises, game drives, hunting expeditions, tour guides and sports events.
- Emergency room doctors where a patient may appear confused or behave disorientated or in a dangerous manner.
- Where a person is on probation or parole for a drug- or alcohol-related offense, the officer in charge may arrange for random drug screening.
- Industries where food safety is essential, e.g., sterile environments, risk of bacterial and chemical contamination.
- Drug control in prisons and military personnel where dangerous weapons are involved.
- Drug screening may be a requirement for certain employment contracts and insurance applications,
- Ad hoc screening for drugs in schools and training centres may be a condition of admittance.
- Home screening may assist in addressing concerns of parents or guardians about suspected exposure of children to drugs.

Products

5 Panel Urine Dip Card



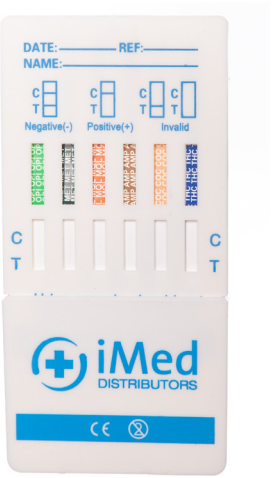
The iMed 5 Panel Urine Dip Card is a multi-drug screening test that is a fast visual, competitive panel immunoassay that can be used for the simultaneous, qualitative detection of multiple drug metabolites in human urine.

Product Features:

- Test Format: Dip card
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH

6 Panel Urine Dip Card



The iMed 6 Panel Urine Dip Card is a multi-drug screening test that is a fast visual, competitive panel immunoassay that can be used for the simultaneous, qualitative detection of multiple drug metabolites in human urine.

Product Features:

- Test Format: Dipcard
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH
Methaqualone (MQL)	Methaqualone

8 Panel Urine Dip Card

The iMed 8 Panel Urine Dip Cards is a visual one-step panel immunoassay for the simultaneous, qualitative detection of multiple drugs and metabolites in human urine. It is one of the most comprehensive tests around.

- tests for 54 different types of compounds related to 8 different drug families.

This product is used to obtain a visual, qualitative result.

Product Features:

- Test Format: Dipcard
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Benzodiazepines (BZO)	Oxazepam
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH
Methadone (MTD)	Methadone
Methylenedioxymethamphetamine (MDMA)	D, L-Methylenedioxymethamphetamine

9 Panel Urine Dip Card (Includes ETG)

The iMed 9 Panel Urine Dip Cards is a visual one-step panel immunoassay for the simultaneous, qualitative detection of multiple drugs and metabolites in human urine. It is one of the most comprehensive tests around.

- tests for 54 different types of compounds related to 8 different drug families.

Product Features:

- Test Format: Dipcard
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Benzodiazepines (BZO)	Oxazepam
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH
Methadone (MTD)	Methadone
Methylenedioxymethamphetamine (MDMA)	D, L-Methylenedioxymethamphetamine
ETG (Alcohol)	Ethyl Glucuronide

6 Panel Eco Cup

The iMed 6 Panel Eco Cup is a multi-drug screen test that is a fast visual, competitive panel immunoassay that can be used for the simultaneous, qualitative detection of multiple drug metabolites in human urine.

All non-negative/positive results can be confirmed by iMED Laboratories (Forensic Toxicology Laboratory).

Product Features:

- Temperature Strip
- Test Format: Cup
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Benzodiazepines (BZO)	Oxazepam
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH

8 Panel Eco Cup

The iMed 8 Panel Eco Cup is a multi-drug screen test that is a fast visual, competitive panel immunoassay that can be used for the simultaneous, qualitative detection of multiple drug metabolites in human urine.

All non-negative/positive results can be confirmed by iMED Laboratories (Forensic Toxicology Laboratory).

Product Features:

- Temperature Strip
- Test Format: Cup
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Benzodiazepines (BZO)	Oxazepam
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH
Methaqualone (MQL)	Methaqualone
Phencyclidine (PCP)	Phencyclidine

7 Panel Split Key Cup and Adult.

The iMed 7 Panel Split Key Cup Tests for 7 drugs and 6 adulterants. It is an excellent, comprehensive drug testing kit for all applications including pre-employment drug screening, random drug testing, medical or clinical drug testing, reasonable suspicion drug tests, and hospital substance abuse screening. The cup includes specimen validity tests to detect specimen adulteration.

All non-negative/positive results can be confirmed by iMED Laboratories (Forensic Toxicology Laboratory).

Product Features:

- 6 Adulterant check (OXI/PCC, GLUT, NIT, SG, PH, CRE)
- Temperature Strip
- Test Format: Cup
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Benzodiazepines (BZO)	Oxazepam
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH
Methylenedioxymethamphetamine (MDMA)	D, L-Methylenedioxymethamphetamine

10 Panel Split Key Cup and Adult.

The iMed 10 Panel Split Key Cup Tests for 10 drugs and 6 adulterants. It is an excellent, comprehensive drug testing kit for all applications including pre-employment drug screening, random drug testing, medical or clinical drug testing, reasonable suspicion drug tests, and hospital substance abuse screening. The cup includes specimen validity tests to detect specimen adulteration.

All non-negative/positive results can be confirmed by iMED Laboratories (Forensic Toxicology Laboratory).

Product Features:

- 6 Adulterant check (OXI/PCC, GLUT, NIT, SG, PH, CRE)
- Temperature Strip
- Test Format: Cup
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Barbiturates (BAR)	Secobarbital
Benzodiazepines (BZO)	Oxazepam
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Methylenedioxymethamphetamine (MDMA)	D, L-Methylenedioxymethamphetamine
Methadone (MTD)	Methadone
Opiates (OPI 2000)	Morphine
Oxycodone (OXY)	Oxycodone
Marijuana (THC)	11-nor-Δ9-THC-9 COOH

THC Cup and Adult.

The iMed THC SINGLE ECONOMY CUP Tests for THC and 6 adulterants. It is an excellent, comprehensive drug testing kit for all applications including pre-employment drug screening, random drug testing, medical or clinical drug testing, reasonable suspicion drug tests, and hospital substance abuse screening. The cup includes specimen validity tests to detect specimen adulteration.

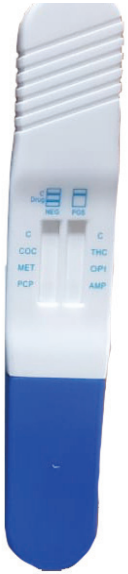
All non-negative/positive results can be confirmed by iMED Laboratories (Forensic Toxicology Laboratory).

Product Features:

- 6 Adulterant check (OXI/PCC, GLUT, NIT, SG, PH, CRE)
- Temperature Strip
- Test Format: Cup
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Test	Calibrator
Marijuana (THC)	11-nor-Δ9-THC-9 COOH

6 Panel Saliva Drug Test



The iMed 6 Panel Saliva Drug Test device is a rapid visual immunoassay for the qualitative presumptive detection of drugs in human saliva specimens. Studies have shown a shorter detection window to indicate impairment on-site.

Product Features:

- Specimen: Saliva
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: ISO and CE

Test	Calibrator
Amphetamine (AMP)	D-Amphetamine
Phencyclidine (PCP)	Phencyclidine
Cocaine (COC)	Benzoylecgonine
Methamphetamine (mAMP)	D-Methamphetamine
Opiates (OPI 2000)	Morphine
Marijuana (THC)	11-nor-Δ9-THC-9 COOH

Single Urine THC Cassette and Strips

The iMED THC Rapid Test is an immunoassay for fast the detection of cannabis (marijuana) use in human urine.

Product Features:

- Test Format: Strip
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- SAMHSA Standards Cut-Off Levels
- Certifications: FDA, ISO, and CE

Pregnancy Midstream and Strips

The iMED HCG Urine Pregnancy Test measures the presence of the hormone human Chorionic Gonadotropin (HCG) in human urine for early detection of pregnancy.

Product Features:

- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- Certifications: FDA, ISO, and CE

HIV Test

The HIV I+O / 2 Rapid Test Device (Whole Blood/Serum/Plasma) is a rapid visual immunoassay for the qualitative, pre-sumptive detection of antibodies to HIV-1, HIV-1(O) and HIV-2 in human whole blood serum or plasma specimens. This kit is intended for use as an aid in the diagnosis of HIV infection.

Product Features:

- Test Format: Cassette
- Specimen: Whole Blood
- Test Time: 5 min
- Shelf Life: 24 months
- Certifications: Asisa, ISO, and CE

Materials Provided:

- Test Device
- Dropper
- Buffer
- Package Insert

Tuberculosis Test

The TB IgG/IgM Rapid Test Device (Whole Blood/Serum/Plasma) is a sandwich lateral flow chromatographic immunoassay for the qualitative detection of antibodies (IgG and IgM) anti-Mycobacterium Tuberculosis (M. TB) in human serum or plasma. It is intended to be used as a screening test and as an aid in the diagnosis of infection with M.TB. Any reactive specimen with the TB Antibody Rapid Test device must be confirmed with alternative testing method(s) and clinical findings.

Product Features:

- Test Format: Cassette
- Specimen: Whole Blood
- Test Time: 5 min
- Shelf Life: 24 months
- Certifications: ISO, and CE

Materials Provided:

- Test Device
- Dropper
- Buffer
- Package Insert

Syphilis Test

The Syphilis Test Device is a rapid chromatographic immunoassay for the qualitative detection of antibodies (IgG and IgM) to Treponema Pallidum (TP) in whole blood, serum, or plasma to aid in the diagnosis of Syphilis.

Product Features:

- Test Format: Cassette
- Specimen: Whole Blood
- Test Time: 5 min
- Shelf Life: 24 months
- Certifications: ISO, and CE

Materials Provided:

- Test Device
- Dropper
- Buffer
- Package Insert

Malaria Test

The Malaria Pf/Pan Rapid Test Device is a rapid chromatographic immunoassay for the qualitative detection of circulating antigens of Plasmodium falciparum, Plasmodium vivax, Plasmodium ovale, Plasmodium malariae in whole blood.

Product Features:

- Test Format: Cassette
- Specimen: Whole Blood
- Test Time: 5 min
- Shelf Life: 24 months
- Certifications: WHO, ISO, and CE

Materials Provided:

- Test Device
- Dropper
- Buffer
- Package Insert

Urinalysis Reagent Strips (11A)

The Urinalysis Reagent Strips (Urine) are firm plastic strips onto which several separate reagent areas are affixed. The test is for the qualitative and semi-quantitative detection of one or more of the following analytes in urine: Ascorbic acid, Glucose, Bilirubin, Ketone (Acetoacetic acid), Specific Gravity, Blood, pH, Protein, Urobilinogen, Nitrite and Leukocytes.

Product Features:

- Test Format: Strip
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- Certifications: FDA, ISO, CE and TUV

Urinary Tract Infection Strip (UTI)

A qualitative test for the identification of a urinary tract infection (UTI) by indicating the presence of Nitrites, Leukocytes, and Red Blood Cells.

Product Features:

- Test Format: Strip
- Specimen: Urine
- Test Time: 5 min
- Shelf Life: 24 months
- Certifications: ISO, and CE

Blood Glucose Monitoring System

The Accu-Answer Glucose Test Meter provide a quick, simple, and convenient method for measuring blood glucose concentrations.

Product Features:

- No Coding
- Results in 5 seconds
- 200-group memorized results
- The Average of 7 days, 14 days, and 28 days
- Display with large screen, automatic start-up/shut-off
- Temperature adjustment and automatic equalization
- Certifications: FDA, ISO, CE and TUV

Materials Provided:

- Carry case
- Lancing device
- Sterile lancets
- Strips
- Insert

Cholesterol Monitoring System

The Mission® Ultra Cholesterol monitoring system delivers immediate total cholesterol test results. This user-friendly, handheld meter offers fast, reliable results that healthcare professionals can depend on.

The Mission® Ultra Cholesterol system is the ideal choice for monitoring cholesterol in both the professional and home setting.

Product Features:

- Requires only 4μL blood sample
- Quicker results between 15 – 70 seconds
- Strip ejector for quick disposal, without having to touching specimen
- 3 step procedure: insert strip, apply specimen, and read results
- 200 test memory Minimum 1000 test battery life
- Certifications: FDA, ISO, CE and TUV

Materials Provided:

- Carry case
- Lancing device
- Sterile lancets
- Strips
- Insert

Safecare Covid-19 Rapid Antigen Test

The Safecare COVID-19 Antigen Rapid Test is a lateral flow immunoassay intended for qualitative detection of nucleocapsid protein antigen in direct nasal swabs or nasopharyngeal swab specimens from individuals suspected of COVID-19 by their healthcare provider within the first seven days of symptom onset.

Product Features:

- Package: 25 tests/box
- Shelf life: 24 months
- Time to results: 10-15 minutes
- Certifications: ISO, CE and SAHPRA

Materials Provided:

- Individually packed test devices
- Extraction tube
- Extraction buffer
- Workstation
- Nasal swab
- Package insert

Medical Consumables

Product Available:

- Nitrile Examination Gloves
- Face Masks
- Thermometer
- Disinfectant
- Condoms
- Alcohol Swabs
- Plasters
- Cotton Wool
- Lancets

iMed
LABORATORIES

ilac-MRA

sanas
Forensic Laboratory
F0005

Introduction

iMed is South Africa's first privately owned forensic toxicology laboratory. We feature state-of-the-art automation of results, and offer the easiest and fastest shipping and handling of samples.

iMed was recently accredited by the South African National Accreditation System (SANAS) in accordance with the recognized International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system.

SANAS is the only organization authorized by the South African government to perform accreditation of laboratory facilities. Its purpose is to help maintain stringent standards that protect the health and safety of South Africa's citizens, including the assessment of each laboratory's testing, calibration and verification capabilities. Certification of iMed Laboratories by SANAS is a resounding endorsement of our commitment to excellence and accuracy.

What We Do

iMed Laboratories provides fast, cost-effective results using testing protocols that are validated for the intended use in compliance with international standards. We produce accurate and legally defensible results. South Africa is a hotbed of exotic recreational drugs that many traditional drug tests aren't designed to screen. iMed has focused its research and development efforts on tests that detect the substances being consumed by our local population because screening is pointless if the typical South African drug abuse profile isn't considered.

How Does It Work?

The validity of test results depends on the quality and integrity of the samples received, and the preservation of an unbroken chain of custody. As part of our services, we provide in-depth training to our corporate clients to ensure that the specimen collection process supports legally defensible drug testing. This also protects the specimen donors. iMed Laboratories has processes and procedures in place to be followed for receipt, inspection and registration of samples. These measures protect the quality and integrity of the samples, as well as the chain of custody.

We use a comprehensive Laboratory Information Management System (LIMS) that meets HIPAA and FDA guidelines, including 21 requirements from Part 11 of the Code of Federal Regulations (CFR). We adhere to these standards to manage sample collection data and to guide testing processes. This process is fully integrated with the chain of custody and storage location.

At iMed Laboratories, we understand that accurate and reliable turnaround times on drug tests help drive your timely business decisions. We analyze samples and issue test reports within 24 hours of samples being received, provided that all specimen collection, identification, packaging and delivery requirements are followed. Results are reported in nanograms per milliliter and evaluated against cut-off levels that have been established by SAMHSA (U.S. Substance Abuse and Mental Health Services Administration).

If you don't already have a drug-testing program in place, we can help you design and implement one. iMed's legal department advises its corporate clients on policy development. We provide all the necessary screening supplies, and we have built a first-class laboratory to confirm preliminary positive results.

Our Facility

Our laboratories are designed to facilitate excellent performance for all aspects of testing.

Environmental conditions are strictly controlled and continuously monitored using reliable CFR-compliant automated electronic systems. We have rigorous security measures in place. Our facility is monitored with an intrusion alarm and CCTV cameras. Entry to the laboratory areas is strictly controlled using a fingerprint access control locking system.

We use only the finest scientific equipment, including drug test analyzers made by world-renowned manufacturers Siemens and Sciex. All testing equipment complies with the relevant specifications and is capable of achieving the accuracy required. A calibration, checking and maintenance program has been established for each piece of equipment. It is calibrated using only ISO/IEC 17025 accredited calibration laboratories as our service providers, and checked as required before being put into use.

Pro's and Benefits

- Most comprehensive laboratory in South Africa covering 109 drug abuse metabolites
- Test method flexibility to suit your specific needs
- 24 Hours Turnaround time
- National Bio Box Collection service
- Whatsapp Chatbox ordering
- Web portal login for reports
- Forensic 17025 international standard laboratory
- SANAS accredited Laboratory
- Advanced Global partners and technology

sanas
South African National Accreditation System

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:-

IMED LABORATORIES

Co. Reg. No.: 2019/101496/07

Facility Accreditation Number: **F0005**

is a South African National Accreditation System accredited facility provided that all 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

TOXICOLOGY

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

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

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

Mr R Josias
Chief Executive Officer

Effective Date: 05 November 2019
Certificate Expires: 04 November 2024

Refer to the SANAS website: www.sanas.co.za for our accreditaion scope.

Why accurate drug testing?

When we look at the drug scene in South Africa, we see a country with a large market for illicit drugs entering, with drug trafficking and abuse escalating. Although there are few accurate data on drug use in South Africa, research by the Anti-Drug Alliance shows that around 15% of our society has a very serious problem with regards to the abuse of drugs and alcohol and that number is identical in the workplace. Drug abuse and addiction has negative consequences for the individual and society resulting in acute injuries, chronic diseases, accidents, lost productivity and criminal behaviour. Addiction is a chronic disease of the brain that involves relapse, progressive development and the potential for fatality if not treated. Common areas for drug testing include the workplace, life ensure, legal and criminal situations as well as health care. Drug testing must therefore be done right because the stakes are too high to be wrong.

What method do we use ?

We offer our clients testing service options according to their unique and specific needs by including immunoassays as well as LC-MS/MS technology. We are continuously researching the drug of abuse market to keep abreast of the latest technology in drug of abuse testing. We are the first laboratory in South Africa that implemented a newly developed LC-MS/MS based drug of abuse testing system, setting new levels of sample throughput, sensitivity, specificity and flexibility. While GC-MS has been widely recognised as the “gold standard” in forensic testing, LC-MS/MS is now an established technique for screening and confirmation analysis and widely accepted in forensic toxicology laboratories for quantitative and confirmatory testing.

Comparing GC-MS with LC-MS/MS

	GC-MS	Our LC-MS/MS assay
Sample preparation	Samples need to undergo chemical derivatisation, increasing the risks for errors and prone to uncertainties such as reagent quality, presence of interferences and variable lab conditions	• No derivatisation required • Quicker and less extensive extraction procedures • Ideal for polar and non-volatile molecules such as those analysed in drug of abuse testing • Ability to identify a broader range of compounds
	In the human body many drugs undergo glucuronidation requiring enzymatic or acidic hydrolysis of a sample before analysis. Hydrolysis varies in its effectiveness with the increased risk of false-positive or false-negative results.	• The method we use involves an enzymatic hydrolysing process effective for hydrolysing all glucuronides within 2 hours
Sample preparation time	6 hours daily (excluding hydrolysis)	2 hours daily
Sample volume	1000 – 5000 µl	50 µl

Benefits of our LC-MS/MS method

- Analysis and specific identification of 109 drug of abuse metabolites in one run
- Reliable hydrolysis
- Simple sample preparation combined with high selectivity and sensitivity
- Run times of 12 minutes
- Inclusion of internal standards for 98 analytes with each run
- Standardised and CE-IVD certified

We also included the Syva EMIT (enzyme multiplied immunoassay) technique within our testing scope as:

- One of the most widely used and extensively validated in the industry.
- Medium cost instrument-based assay for high throughput with short analysis producing semi-quantitative results.
- Appellate courts in the U.S. have recognized the scientific validity of the EMIT for analyzing urine, including with GC/MS and LC/MS/MS.

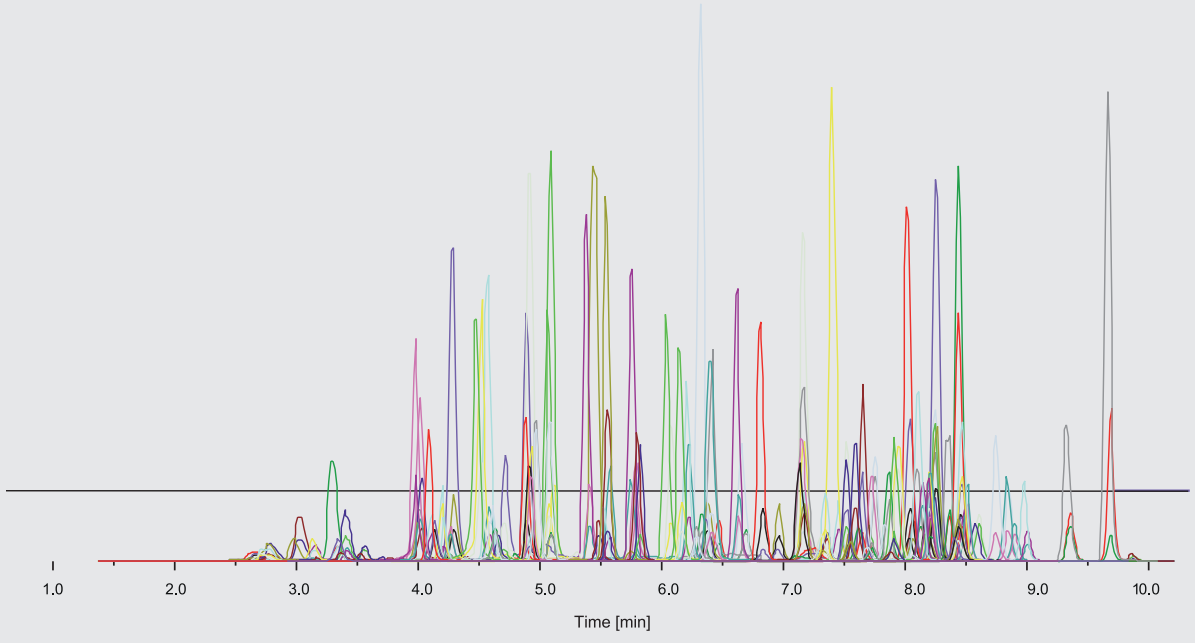
Quality Assurance

Our methods are fully validated and verified within our own laboratory setting for meeting specific performance criteria. We take part in proficiency test schemes to independently assess our ability to accurately detect the drugs of interest.

Calibrators at 6 different levels, internal standards as well as quality control standards at three different levels, each with known target values for all the drug of abuse metabolites we test for and that need to comply with specified performance criteria, are included with each sample batch tested.

What do we test for?

Amphetamines
Amphetamine, BDB, Butylone, 2C-B, 2C-I, Cathinone, MBDB, MDA, MDEA, MDMA, MDPV, Mephedrone, Methamphetamine, Methaqualone, Methylone, Methylphenidate, PMA, Ritalinic Acid
Barbiturates
Benzodiazepines
Alprazolam, 7-Aminoclonazepam, 7-Aminoflunitrazepam, 7-Aminonitrazepam, Bromazepam, Brotizolam, Chlordiazepoxide, Clobazam, Clonazepam, Demoxepam, Desalkylflurazepam, Desmethylflunitrazepam, Diazepam, Estazolam, Flunitrazepam, Flurazepam, Lorazepam, Lormetazepam, Medazepam, Midazolam, Nitrazepam, Norclobazam, Nordiazepam, α-OH-Alprazolam, 3-OH-Bromazepam, α-OH-Midazolam, α-OH-Triazolam, Oxazepam, Prazepam, Temazepam, Triazolam
Booster
Gabapentin, Pregabalin, Promethazine, Quetiapine
Cannabinoids
THC-COOH
Cocaine
Benzoylecgonine, Cocaethylene, Cocaine, Norcocaine
Opiates/Opioids
Acetylcodeine, Buprenorphine, Codeine, Dihydrocodeine, EDDP, Fentanyl, Hydrocodone, Hydromorphone, Meconin, Meperidine, Methadone, 6-Monoacetylmorphine, Morphine, Naloxone, Naltrexone, Norbuprenorphine, Norcodeine, Norfentanyl, Normeperidine, Nortapentadol, Nortilidine, O-Desmethyltramadol, Oxycodone, Oxymorphone, Papaverine, Propoxyphene, Sufentanil, Tapentadol, Thebaine, Tilidine, Tramadol
Z-drugs
Zaleplon, Zolpidem, Zopiclone
Others
Ketamine, LSD, Mescaline, Norketamine, O-H-LSD, PCP



HPLC Parameters

Injection volume	2–20 µl
Column temperature	30°C
Gradient	binary

MS Parameters

Ionisation	ESI positive and negative
MS/MS Mode	MRM

iMed Covid-19 PCR Testing Laboratory

We are all by now well informed of the important contribution every single person makes to help our country control the COVID-19 pandemic. From wearing a mask to washing your hands to maintaining physical distance and avoiding large indoor gatherings as well as getting vaccinated. However, testing as many people as possible is one of the most valuable tools available in medical science that will help prevent the spread of COVID-19 to our co-workers, friends and loved ones. This is then another way whereby iMed Laboratories, though our well established Covid-19 testing laboratory, is making a profound contribution towards solving South Africa's most urgent pressing needs.

Since it is recognized that nearly half of all SARS-CoV-2 infections are transmitted by people who are not showing any symptoms, accurately identifying infected individuals while they are pre-symptomatic, as well as those who are asymptomatic through our intensive testing approach, plays a major role in stopping the pandemic.

PCR is a molecular test based on the reverse transcription polymerase chain reaction. It has been developed expressly to detect SARS-CoV-2, the virus that causes COVID-19. This test has been used for COVID-19 diagnosis since the onset of the pandemic. Various rapid antigen tests that detect proteins, called antigens, on the surface of the virus are also now available. Point of Care (POC) molecular diagnostic test can produce results in minutes. With the different test options available, there is confusion regarding the best test method to select. Selecting a test option is generally a matter of speed versus accuracy and most importantly why you need a test and when.

- Rapid antigen tests are simple to use and produces a result within minutes. The downside is that the sensitivity of the antigen test is high only when the viral load is high. The timing of the test is critical.

- Although POC PCR based assays produce rapid results, these tests can only be performed on specific instruments and amplifies a single genomic target of SARS-CoV-2 (either one structural or one non-structural), reducing their sensitivity and specificity compared to traditions RT-PCR based molecular diagnostics. Sensitive and specific diagnostic techniques should target both structural and non-structural proteins.

- It is recommended that the results of POC PCR tests be confirmed with a traditional PCR test.

- rRT-PCR assays have a broader window of detecting SARS-CoV-2 infection with more than 99% sensitivity on all cases and remains the go-to test for Covid-19. It is the most sensitive and specific diagnostic tool currently available.

At iMed Laboratories we:

- Make use of TaqPath rRT-PCR, that is still the gold standard.

- Make use of 2 different TaqPath rRT-PCR methods, thereby targeting a total of 5 different specific sequences of the SARS-CoV-2 genome covering structural and non-structural protein genes.

- An initial test using a TaqPath rRT PCR kit, testing for the N (Nucleocapsid) gene, RdRP (RNA dependent RNA polymerase) gene and the E (Envelope) gene. We require that all three these targets get amplified before reporting a “detected” result. This kit also includes an internal process control that is part every sample being tested to monitor both the quality of the sample and the reaction set-up. Should the internal process control not work and either/or only 1 or 2 of the virus targets get amplified, we retest the sample using a second test kit.

- Retests are performed using TaqPath rRT-PCR kit, testing for the S (Spike) gene, N (Nucleocapsid) gene and the OrF1a/b gene relating to the replication-transcription complex responsible for all the machinery associated with viral replication. Only when any two of these 3 targets get amplified, we will report a “detected” result.

- Most of the SARS-CoV-2 emerging variant’s mutations are in the S-gene. Already 2 variants have been being identified that results in the S-gene drop-out (S-gene not being amplified). By targeting a total of 5 different specific sequences of the SARS-CoV-2 genome out test approach thereby also reduces the risk of variants not being detected.

- A positive and a negative control is included with every sample batch analysed.

- We participate in an international proficiency testing scheme to ensure continuous validity of test results.

- All our reports are issued with a unique QR Code for confirmation of a valid Covid-19 test report.

- Guaranteed 24h test reporting from receiving a sample for testing.

- All our sample data and reporting are managed via a Laboratory Information Managements system that allows for the following:

1. Automated electronic data transfer from our electronic online booking system, thereby eliminating wrong patient information being entered by iMed personnel and then included in the test report, a large risk when capturing information manually.
2. Automated issuing of reports via SMS and Emailing.
3. Automated reporting to the NICD.

Cannabinoids Laboratory

Cannabis is a complex plant that contains more than 144 different cannabinoids (Phyto-cannabinoids) including CBD (cannabidiol), CBDA (cannabidolic acid), CBN (cannabinol), CBG (cannabigerol), CBC (cannabichromene), CBDV (canabidivarin) and tetrahydrocannabinol (delta-8 THC, delta-9 THC, THCA, THCV). THC and CBD are the most common cannabinoids, but others are becoming popular and found alone or in combination with CBD. The infamous THC is well known for its psychoactive effects, while many other cannabinoids are considered non-psychoactive with many possible health benefits. Cannabis varieties have been bred for specific aims, with marijuana focused on THC and low in CBD, while hemp is high in CBD with trace amounts of THC. Both marijuana and hemp varieties may contain other cannabinoids in various combinations, as can the resulting CBD products that have been derived from them.

The medical use of cannabis in South Africa is regulated in terms of the Medicines and Related Substances Act, 1965 (Medicines Act). With respect to cannabis, the Medicines Act distinguishes between cannabidiols (CBD), which is non-psychoactive, and delta-9 tetrahydrocannabinol (THC), which is psychoactive in nature. CBD is listed as a schedule 4 substance, save for limited circumstances in which CBD may be classified as a schedule 0 substance (Unscheduled CBD Products). Like a schedule 6 substance, schedule 4 substances are only available on the prescription of an authorised prescriber. Schedule 0 substances can be purchased off the shelf at places like pharmacies, supermarkets, health shops or convenience stores. Unscheduled CBD products comprise of complementary medicines containing no more than 600mg CBD per sales pack, providing a maximum daily dose of 20mg of CBD, and making a general health enhancement, health maintenance or relief of minor symptoms (low-risk) claim. In South Africa, legal CBD products are required to contain no more than 0.001% THC. Cannabis Oil South Africa, a cannabis oil reviewer website, decided to blind test 10 CBD products and found only one that lived up to the label claim.

In line with iMed's mission to improve the lives of South Africans, the need to meet the requirements that the exploding cannabis industry has created for quality testing of cannabis raw materials, oils and other pharmaceutical products, motivated us to provide a comprehensive Cannabinoids testing service to complement our ISO 17025 accredited forensic toxicology laboratory test scope. Our purpose is to support suppliers of cannabis raw materials and manufacturers of CBD products to be leaders in the market providing the purest possible products to the consumer.

- iMed uses Liquid Chromatography coupled to Mass Spectrometry to test for all the major cannabinoids (CDB, CBDA, CBG, CBGA, CBN, CBDV, THCV, THC and THCA-A). Liquid chromatography does not use heat, therefore, with this method it is possible to identify and quantify both acid and neutral cannabinoids. This is the most powerful method for determining the real content of cannabinoids present in a sample.

- iMed Laboratories is fully ISO 17025 compliant within the forensic field, ensuring stringent control throughout the laboratory from sample receipt up to test result reporting.

- Our test activities are supported by a cloud-based Laboratory Information Management System purpose-built for cannabis testing helping with data management and automating workflows following regulatory compliance such ad ISO/IEC 17025: 2017, GLP, and GMP.

The Importance of Testing for Cannabinoids:

- Confirming or determining the concentration of CBD or other non-psychoactive cannabinoids in a product or raw material is not only important to help consumers choose the correct dosage, but also to meet government's recommended dosage of 20 mg per day, which if over, no longer can be classified as being a schedule 0 drug.

- Confirming or ensuring compliance to the CBD laws of South Africa stating that legal CBD products are required to contain no more than 0.001% THC are not only important from a legal perspective for the manufacturer but also for the consumer turning to CBD, not seeking the euphoric effects of THC, but the possible health benefits of the other non-psychoactive cannabinoids.

- Guaranteeing products to be below the legally required THC levels, is also of great importance to those that need to undergo drug screening. As interest in CBD increases, some have voiced concern that it may trigger a positive drug screen. Whether for work or other reasons, drug screening has become part of life for some. Should those subject to a drug screen worry if they consume CBD? The answer depends on whether the product being used is contaminated with THC as well as the kind of test being performed.

- After an initial positive screening for cannabinoids, the sample should be sent for confirmatory testing. using. Using a test called chromatograph mass spectrometry, there will be no problem discerning THC from CBD and other cannabinoids. Also refer to our Toxicology test services section.

DNA Forensic Laboratory

The ultimate goal for iMed Laboratories is to make a significant contribution to establishing South Africa as the biotechnology hub for Africa in the field of Molecular DNA profiling. With our multifunctional fully equipped molecular biotechnology laboratory, iMed renders comprehensive services in the areas of forensic DNA profiling and parental testing, thereby making a profound contribution towards solving South Africa's most urgent pressing needs in the areas of Forensic DNA profiling and Gender Based Violence, thereby advancing justice through DNA technology.

Forensic DNA evidence has tremendous potential to solve some of our Nation's most serious crimes. However, DNA currently is not used to its full potential in the criminal justice system. One of the biggest problems facing the criminal justice system today is the substantial backlog of unanalysed DNA samples and biological evidence from crime scenes, especially in sexual assault and murder cases. Too often, crime scene samples wait unanalysed in police or crime lab storage facilities. Timely analysis of these samples and placement into DNA databases can avert tragic results.

Forensic science & DNA testing are highly technical processes requiring extreme accuracy, thoroughness, and documentation. When the two disciplines are combined, only a forensic DNA laboratory with expert molecular biology scientists, and critically refined processing techniques, supported by a quality management system, can provide the level of performance needed to assure quality forensic DNA testing results that can withstand rigorous review. DNA testing must be conducted in a laboratory with dedicated facilities and equipment that meet stringent requirements.

- iMed has its own multifunctional, fully equipped molecular biotechnology laboratory and therefore do not need to send samples to a second party laboratory or to subcontract any testing activities. For test results to be accepted by South African courts of law, certain procedures must be followed to preserve the chain of custody when collecting samples for analysis. The chain of custody requires documentation of every person who has handled the sample and everywhere it has been. If the chain of custody procedure is handled correctly, forensic laboratory evidence can be admitted in court with the assurance that the item was collected from the stated location and/or person in question without compromising the evidence. Once your sample reaches our laboratory, the samples remain within our direct control throughout the entire process of sample receipt, sample storage, DNA extraction, purification, quantification, profiling, result analysis, reporting and sample retention. Together with our rigid sample handling procedures that are fully ISO 17025 compliant within the forensic field, we ensure 100% confidentiality and greatly limit the risk of samples getting lost, displaced, or mislabelled. A result is only as good and as valid as the sample the result is derived from.

- Without any subcontracting, with all testing activities being performed on site, we keep the test turnaround times as short as scientifically possible and the cost as low as possible without compromising on quality.

- iMed Laboratories is independent of the prosecution to ensure that our analysts can provide objective tests and testimony in a criminal case.

- iMed is a privately owned South African company specialising in forensic medicine, criminal investigations, and paternity testing. Short tandem repeat (STR) profiling that were introduced in the early 1990's as a new polymorphic DNA marker type and have since become the golden standard in DNA databases, criminal casework, paternity and kinship analysis, and identification of missing persons. We make use of STR kits that meets the guidelines for ISO 18385 certification with maximum commonality in markers to make more cross-border identifications. Once the DNA profile is obtained from the sample provided, it can be used for our standard paternity testing as well as for our range of other DNA tests.

DNA Relationship Testing can be requested for several reasons:

A woman or man wishes to prove or disprove that they are the biological parent of a child.

For maintenance purposes e.g., if a man is paying maintenance for a child but has doubts about being the biological father or if a mother wishes to prove that a certain man is the biological father of her child or children.

For estate purposes i.e., the relatives of a deceased man may request testing if there is a claim against the estate by a woman alleging that the deceased man is the father of her child.

The parents of babies that may have been mixed-up soon after birth.

For birth certificates – Home Affairs requires a paternity test to change a child's surname to that of the alleged father.

Individuals wishing to immigrate to certain countries where one or both of their parents are living.

Individuals that were adopted and who are trying to trace their biological parents.

DNA Relationship testing includes:

DNA Paternity Test
Conclusively confirm whether you are the true biological father of a child.

DNA Sibling Test
Find out if siblings are full siblings, half siblings, or not related.

DNA Grandparent Test
Find out if you are the true biological grandparent of a child.

DNA Aunt/Uncle Test
Find out if you are the true biological aunt or uncle of a child.

DNA Twin Test
Conclusively confirm whether twins are identical twins or fraternal twins.

We offer paternity testing both for legal/maintenance purposes as well as self-collection tests for 'peace of mind'.

Peace of mind' paternity tests can be done for individuals requiring the outcome of the test for their own knowledge using a self-collection paternity test kit. These results will not be able to be used in court or for any legal purposes.

Should the results be required for court, sampling must be performed by a registered medical practitioner or registered nurse and chain of custody maintained throughout the entire chain from the point of origin through the analysis stages to the ultimate storage of the sample.

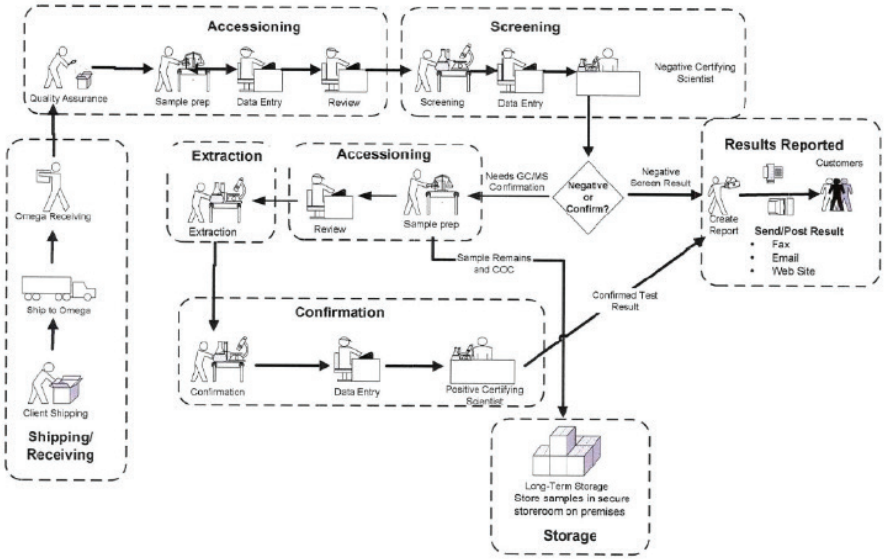
Forensic Relationship DNA testing

Forensic DNA Relationship testing is often used in criminal situations such as rape or incest where there are products of conception. In addition, forensic paternity/maternity tests, as well as other family relationship tests, could be used to identify missing victims or suspects through their family members who are available for testing.

Using DNA to solve crimes

DNA is generally used to solve crimes in one of two ways. In cases where a suspect is identified, a sample of that person's DNA can be compared to evidence from the crime scene. The results of this comparison may help establish whether the suspect committed the crime. In cases where a suspect has not yet been identified, biological evidence from the crime scene can be analysed and compared to offender profiles in DNA databases to help identify the perpetrator. Crime scene evidence can also be linked to other crime scenes through the use of DNA databases.

Hair Testing



Hair testing is a process in which hair specimens are analyzed for the use of illicit drugs. iMED Laboratories uses detection levels and confirmation methods that follow government recommendations.

While some laboratories may take over a week to report a confirmed positive, Omega consistently achieves the same results in three business days. Omega's turnaround time is based on laboratory-proven proprietary testing methods, which are part of the intellectual property that is unique to Omega. This intellectual property includes a proprietary specimen wash method, which has been approved by multiple accrediting agencies as an effective means for removing external contamination. Unlike other longer washes, Omega's proprietary wash method does not inadvertently remove metabolites, which can lead to false negatives. iMED Laboratories in conjunction with Omega laboratories is one of only three hair testing laboratories in the world to have obtained FDA 510(k) clearances

When compared to other forms of testing, hair samples can detect a much longer period of drug use. For example, urinalysis can only detect most drugs within 2-3 days of use. After this period, a donor will be free of the drug, test negative and slip through the screening process. By comparison, the industry standard is to test 1.5 inches of head hair for approximately 90 days of history. This is important in pre-employment testing where most candidates are aware that a drug test might be required and can otherwise abstain accordingly.

Process Overview::

The four main steps involved in the laboratory processing of a drug test result are Accessioning, Screening, Extraction, and Confirmation.

Accessioning involves the initial processing of a sample into a laboratory's system. This includes verifying that the sample was sealed and shipped properly, assigning a random LAN (Laboratory Accessioning Number), and completing any additional data entry not provided by an electronic chain of custody system.

Screening involves an initial quick check for drugs of abuse. While Screening is a cost-effective way to rule out drug usage on the majority of samples, a positive screen needs to be confirmed to be admissible in court. Any samples that are presumptively positive in Screening do require a secondary confirmation.

If a sample is presumptively positive in the Screening stage, more hair is pulled from the initial specimen and prepared for Extraction. In this stage, drugs are extracted from hair at a much lower concentration than in other methodologies (ex. urine or oral fluid), which is why hair drug screening is the most difficult methodology to perform.

Confirmation of any positive screening result is conducted via GC/MS, GC/MS/MS or LC/MS/MS. All presumptive positive samples are washed prior to confirmation as needed. The entire laboratory process from Accessioning to Confirmation is reviewed under both the CAP (College of American Pathologists) Hair designation and the accreditation to ISO / IEC 17025 standards.

iMed
PHARMACEUTICALS

Point-of-care (POCT) Assembly

Point-of-care testing (POCT) is defined as testing done near or at the site of patient care with the goal of providing rapid information and improving patient outcomes.

Point of care (POC) testing in communities, home settings, and primary healthcare centres is believed to have tremendous potential in reducing delays in diagnosing and initiating treatment for diseases such as HIV, tuberculosis, syphilis, and malaria. Quick diagnosis and further management decisions completed in the same clinical encounter or at least the same day, while the patient waits, promise to overcome delays associated with conventional laboratory-based testing.

South Africa has a highly centralized diagnostic landscape. Diagnostic testing in the public sector is provided by the National Health Laboratory Service (NHLS), while a handful of large diagnostic companies provide diagnostic services to private providers.

Of the 9.6 million tuberculosis (TB) cases each year, 3 million are either not diagnosed or not notified. Only one-third of the estimated patients with multidrug-resistant TB are diagnosed. Only about half of those infected with HIV are aware of their status. In half of malaria-endemic African countries, over 80% of malaria treatments are applied without diagnostic testing.
Challenges related to POC diagnostics on patient outcomes were identified by health care workers in South Africa as:

- Irregular supply and stockouts of test kits
- Training of health care workers on the correct use of the kits
- Frequent changing of test kit brands with different performance steps
- Mistrust in the quality of results
- Affordability

iMed distributors have for many years being importing and distributing POC test devices from an international manufacturer and has built a strong and trusting relationship with them. Their products proved to be reliable and are ISO, CE and FDA510K approved.

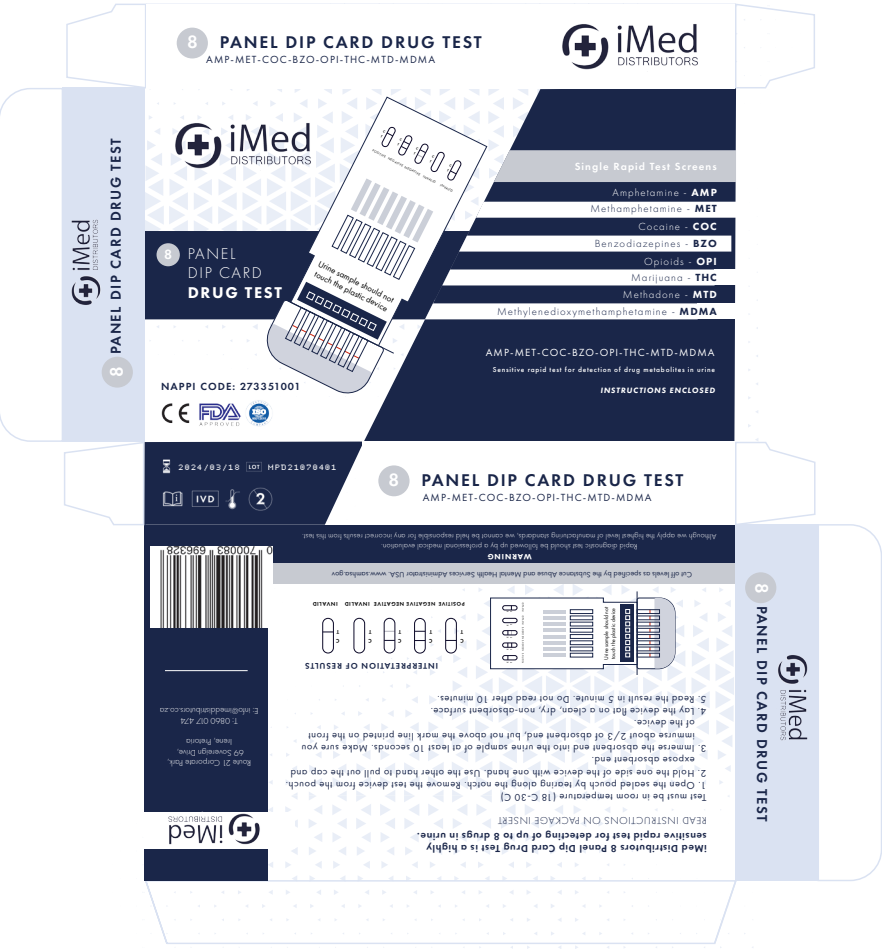
In line with one of our priorities to increase accessibility of effective and sustainable POC diagnostics to resource-limited settings with poor access to laboratory infrastructure, we were successful in obtaining a contract with our trusted supplier for manufacturing the POC test devices that are already proved as providing trustworthy results, locally.

Manufacturing of the POCT in our own facility according to ISO 13485, will provide stake holding in design, evaluation, and implementation, thereby addressing many of the challenges mentioned earlier through:

- Ensuring sustainability and consistency
- Building trust in the results and supporting the outcomes of testing
- With our test laboratory support, ensuring continuous quality of POCT devices.
- Reducing the cost and increasing affordability

Packaging

8 Panel Dip Card Packaging



HIV Test Kit Packaging

Pregnancy Test Packaging

General Information

Our Team

Each member of our team has specialized expertise in his or her respective field. They have attained the highest levels of education and possess complex, relevant scientific knowledge. With ongoing training on current protocols, they are striving to be at the forefront of drug abuse testing. We assure the competency and qualifications of all iMed Laboratories personnel for the tasks they undertake.

Jonathan Blackburn - CEO & Founder

Jonathan Blackburn set out to create iMed Laboratories as part of his mission to improve the lives of South Africans suffering from drug addiction. He sought to provide a cost-effective solution for businesses seeking to determine if employees are using drugs, both for safety and productivity reasons. iMed Laboratories is a companion business to iMed Distributors, a company also owned by Blackburn that has quickly grown into South Africa's premium rapid diagnostic drug-testing supplier since it was founded in 2014. Blackburn started iMed Distributors because he realized existing drug tests weren't accurately screening for exotic narcotics being used in South Africa but not commonly found in other parts of the world. Due to testing flaws, workers were being falsely accused of using drugs with devastating consequences.

Once Blackburn determined that enterprises in South Africa needed a more efficient and technologically advanced laboratory solution than the limited options that were available, iMed Laboratories was a natural progression. It is South Africa's first privately owned forensic toxicology laboratory. Testing results drive business decisions, and these results were not being supplied in a timely and efficient manner. iMed Laboratories closes that gap.

Dr. Elize de Bruyn - Scientific Director

Dr. Elize de Bruyn joined iMed Laboratories when it was still an idea-in-progress, and she has been instrumental in helping to set up the facility. She was selected for this crucial role because she has an impressive track record and a well-respected background in academics, science and business. Dr. de Bruyn has a PhD in microbiology from the University of Pretoria plus nearly two decades of research experience working for various entities with a particular focus on diagnostic test method development, validation and verification. She is a recipient of several awards recognizing her commitment to high standards and protocols in the application of science to support best business practices.

Most notably, she won the prestigious Best Quality Service Award for small- and medium-sized businesses from South Africa's Department of Trade and Industry.

Dr. de Bruyn is dedicated to following stringent quality control measures, a vital component in the quest to produce valid and accurate drug testing results. As our Scientific Director, Dr. de Bruyn is responsible for coordinating and directing laboratory activities while ensuring stringent compliance with all applicable laws and standards. She was drawn to the field of drug testing because of her desire to be part of a mission to motivate change and save lives in the face of South Africa's rampant drug addiction epidemic.

Liezel Steyn - Senior Bio-Medical Technologist

From the moment she first set foot in a small, privately owned laboratory working part-time as a university student, Steyn was enamored with the job. It dovetailed perfectly with her skill set and scientific aptitude. She worked nights processing samples, making slides for technologists, streaking out plates, and phoning out results. The job allowed her to learn the ins and outs of laboratory work, and Steyn knew right from the start that she had found the career she was meant for. With 20 years in the field, she has honed her skills working in several labs for a variety of companies.

The role of laboratory manager is multi-faceted. She ensures that test methods and standard operating procedures are reviewed and updated. Responsibilities also include management of laboratory stock levels and monitoring equipment performance. Steyn assures the lab's work conditions are adequate and in compliance with health and safety requirements, and she is also in charge of samples which includes receiving, handling, storage, and analysis.

Steyn received her national diploma in biomedical technology from the Tshwane University of Technology in 2001. Her studies were focused on microbiology, clinical biochemistry, cellular pathology, and haematology. In 2003, she passed her Health Professions Council of South Africa board exam in clinical pathology.

Andrew Grant-Smith - Sales Director

Andrew Grant-Smith has been involved with iMed since the beginning — both the beginning of the company, and the start of his career. At the tender age of just 20 years old, he hit the road to help build the business from scratch under the leadership and guidance of iMed founder and entrepreneur Jonathan Blackburn. As the National Sales Director, Grant-Smith spent five years crisscrossing South Africa driving the sales of iMED's distinguished set of rapid diagnostics. The tests cater to the exotic range of recreational drugs found locally, as well as more common drugs. With the recent opening of iMed Laboratories, a companion company to iMed Distributors, Grant-Smith has taken on the role of Marketing Director and part-owner. He is responsible for customer relations and ensuring complete client satisfaction with the company's products and services.

Shipping Logistics

Samples are transported using iMed's custom-designed BioBox, a container specifically designed by our team to safely ship biological samples, such as urine. Test results are delivered digitally to our corporate clients within 24 hours of the BioBox being picked up for shipment to our facility.

High Stakes

Companies who perform drug testing must be confident the results are 100% accurate, both for their bottom lines and for the sake of their employees. Inaccurate drug testing destroys lives. Fallout can include termination of employment, lost custody of children, and potential destruction of the family unit.

Corporate Responsibility

Having an addicted employee population has wide-ranging ramifications on companies and their staff. Excessive sick days, theft of inventory, reduced productivity, and diminished profits are all consequences of employee drug use. If drug abuse can be detected and the affected employees assisted with rehabilitation and recovery, vast benefits will be realized by companies and their employees.

Social Impact

Statistics indicate that approximately 15 percent of South Africans have serious issues with drug and alcohol abuse. Not surprisingly, those numbers are mirrored in the workplace. Although companies tend to drug test their employees in pursuit of greater profits, the data gleaned from these tests can have a significant social impact when the statistics are considered as a whole. Drug addiction causes crime, poverty, and the erosion of healthy societies. It robs addicts of every important relationship they have and takes away their ability to earn a livelihood to support themselves and their families. Societies freed from rampant drug addiction have stronger infrastructures, healthier people, and thriving high-functioning economies.

Addiction is a chronic disease of the brain that often results in relapses, progressive development, and the potential for illness and death. The first point of care is detection. To fix this pervasive problem, we need the data to know where it exists. iMed's ultimate goal is to spur social change in South Africa by using science to improve early detection of drug abuse problems.

Help Hotline

When you purchase iMed's products and services, we include free access to our 24-hour addiction helpline for your employees. It is staffed by recovering drug addicts experienced in telephone counseling who possess expansive knowledge of the challenges associated with addiction. Callers facing struggles with drug and alcohol abuse are provided with understanding, empathy, and education to aid in their recovery.

Helpline: 0860 01 74 74

FOR MORE INFORMATION:

iMed Medical Group

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