

SAM-TECH DIAGNOSTICS

PRODUCT CATALOGUE

Premium Healthcare Diagnostic Solutions

2026 Edition



22 Years of Excellence

Transforming Healthcare Diagnostics Across East Africa Since 2003

About Sam-Tech Diagnostics

With over 22 years of proven excellence in the medical technology sector, Sam-Tech Diagnostics Co. Ltd stands as a leading provider of medical equipment and diagnostic solutions in East Africa. Established with a vision to transform healthcare delivery through innovation, we have grown into a trusted partner for healthcare institutions across the region. Based at the prestigious Tatu City Industrial Park in Kenya, our strategic location and state-of-the-art facilities enable our dedicated team of professionals to serve a diverse clientele with the highest standards of quality and efficiency.

Our mission is centered on fostering strategic partnerships to advance technology within Kenyan healthcare facilities, ensuring they are equipped with the latest diagnostic breakthroughs to improve patient outcomes. We offer a comprehensive and integrated portfolio that ranges from high-precision diagnostic equipment's and reagents, as well as other hospital equipment and medical consumables.

By bridging the gap between global innovation and local expertise, we are not only elevating the standard of care in Kenya but also executing a robust strategic plan to expand our footprint throughout East Africa and beyond. Through these collaborative efforts and a relentless commitment to excellence, Sam-Tech Diagnostics is dedicated to shaping the future of medical diagnostics and surgical care on a global scale.

Our Vision, Mission & Strategic Goal

Vision

To become the preferred diagnostics and healthcare solutions partner in East and Central Africa through sustainable collaboration.

Mission

We empower healthcare facilities through sustainable medical equipment, diagnostic solutions, reagents, and technical services to support efficient, affordable, and equitable healthcare.

Strategic Goal (2025-2030)

To become Kenya's premier, professionally managed healthcare solutions partner by institutionalizing robust governance, accelerating digital transformation through integrated systems, and expanding our regional footprint to ensure the delivery of innovative, ISO-certified diagnostic excellence across East Africa by 2030.

Core Values

- **Integrity:** We uphold the highest ethical standards through honesty, transparency, and accountability in every partnership.
- **Innovation:** We drive healthcare forward by delivering cutting-edge technology and creative solutions for evolving medical needs.
- **Excellence:** We are committed to superior quality and precision in our products and service delivery.
- **Collaboration:** We work as a unified team with our partners and stakeholders to achieve shared goals and better patient outcomes.
- **Customer Focus:** We prioritize our clients' success by providing responsive support and solutions tailored to their unique needs.
- **Sustainability:** We ensure long-term value through responsible business practices and reliable, consistent performance.

Product Categories

1. Clinical Chemistry Analyzers

Product Category	Key Benefits & Applications
Electrolyte Analyzer I-SMART 30 PRO	<ul style="list-style-type: none"> • Quality and accurate measurement of electrolytes (Na⁺, K⁺, Cl⁻, (Ca²⁺)) • Minimal sample volume consumption (60uL only) • Can perform both Serum and urine electrolytes. • Fast analysis at only 35 seconds for analysis reducing patient TAT • Compact design with a lithium back up battery that can run up to 2hrs incase of power blackout. • Cartridge based with all consumables inside that are maintenance free:Cal A&B solution with auto calibration,sampleprobe,Referencesolution,waste bag,electrodes,sensor card. • Storage of up to 350,000 test results. • No reagent wastage on calibration since the cartridge has specific solution for calibration hence you get 100% sample runs assuring value for money • Stable industrial Tri-level QC material with expiry of up to 2yrs. • L-J chart for QC management • Essential for monitoring patient hydration and kidney function.
PICTUS 500 (300T/hr, 480T/hr with ISE)	<ul style="list-style-type: none"> • Onboard reagent cooling system to help maintain reagents between 2-8 degrees hence assured reagent stability until exhausted with <0.5% deterioration rate. • Single packed reagents to avoid cross-contamination or deterioration from long use. • A 5 in 1 capacitive sample probe that is used for:sample and reagent aspiration and dispensation,sample and reagent mixing during dispensation,sample and reagent level detector,sample and reagent heater to the optimum temperature required,collision sensor. • Reusable cuvettes cleaned by an onboard 7 step washer and a drier after every cycle with very low water consumption. • High-throughput automated system for medium-volume laboratories • Comprehensive chemistry panel testing (liver, kidney, lipids, proteins)

	<ul style="list-style-type: none"> • Reduces user errors through automated pipetting and improves laboratory efficiency and test accuracy. • Can be linked to the Hospital management systems through Bidirectional LIS interface. • Ideal for hospitals and reference laboratories
PICTUS 700 (600T/hr, 720T/hr with ISE)	<ul style="list-style-type: none"> • Same as P500 but with two reaction chambers hence higher throughput. • High-capacity analyzer for large reference laboratories • Superior throughput for processing multiple samples simultaneously • Advanced automation reduces technician workload • Exceptional precision and accuracy across all parameters • Cost-effective for high-volume testing facilities
MISPA FAB 120	<ul style="list-style-type: none"> • Disposable cuvettes that comes together with the reagent kits. • Compact with the computer mounted together with the machine. • Comprehensive chemistry analyzer with extensive test menu • Versatile system suitable for diverse clinical requirements • User-friendly interface with minimal training requirements • Reliable performance with low maintenance needs • Perfect for hospitals requiring full chemistry capabilities
LOC-200 Dry Biochemistry Analyzer	<ul style="list-style-type: none"> • Dry Biochemistry analysis with 35 parameters under 8 pre-programmed panels. • You can now run both UECs and Bone chemistry on one test cassette, Myocardial and Lipid profile on one test cassette. • Immediate results at patient bedside or clinic (11minutes) • No liquid reagents offering longer shelf life and easier storage • Minimal sample volume required 100uL • Ideal for emergency departments, Out patient and inpatient, Research institutes and referral labs.

2. Hematology Analyzers

Product Category	Key Benefits & Applications
ZYBIO Z3 (3-Part Differential)	<ul style="list-style-type: none"> • Complete blood count (CBC) with 3-part WBC differential • Uses only 2 reagents (Lyse and diluent) • Very low sample (9uL) and reagent consumption comparing to other competitor machines in the market. • 21 reported parameters with 3 3d histograms • L-J chart management.

	<ul style="list-style-type: none"> • Essential for diagnosing anemia, infections, and blood disorders • Compact design ideal for small to medium laboratories • Quick results enabling faster clinical decisions • Cost-effective solution for routine hematology testing
ZYBIO Z5 (5-Part Differential)	<ul style="list-style-type: none"> • Small sample volume 18uL • Uses only 3 reagents (Diluent, Lyse B and lyse D) • 25 reportable parameters plus 4 calculated with a 3D scatter gram. • Advanced CBC with detailed 5-part WBC differential • Enhanced diagnostic capability for complex hematological conditions • Has a high linearity range for better precision. • Suitable for hospitals requiring comprehensive hematology analysis
SABIO JR Automatic ESR Analyzer	<ul style="list-style-type: none"> • Automated erythrocyte sedimentation rate analysis applying the gold standard westergren principal. Testing using direct primary EDTA tubes within 20 minutes. • 16 channels thereby increased sample capacity. • Continuous sample loading to allow uninterrupted analysis. • Critical for detecting inflammation and monitoring disease progression • Uses standard EDTA collection tubes – no special tubes required • Improves laboratory workflow efficiency
SABIO M Automatic ESR Analyzer	<ul style="list-style-type: none"> • 5 Channels with continuous loading • Automated analysis using direct primary EDTA tubes within 20 minutes • Consistent, reproducible results • Essential for rheumatology, oncology, and infectious disease monitoring • Reduces turnaround time for ESR testing
Laboratory Support Equipment	<ul style="list-style-type: none"> • Roller Mixers: Gentle mixing of blood samples to prevent clotting • Laboratory Shakers: Consistent agitation for reagent preparation • Vortex Mixer: Rapid mixing of samples and reagents • Essential accessories ensuring sample quality and test accuracy • Durable construction for long-term reliable operation

3. Blood Gas Analyzers

Product Category	Key Benefits & Applications
I-SMARTCARE 10 <i>(23 parameters)</i>	<ul style="list-style-type: none"> Minimal sample volume consumption(100uL only) 10 measured parameters plus 24 calculated. Both syringe and capillary sample delivery Automated sample aspiration Fast analysis at only 50 seconds for analysis reducing patient TAT No regent wastage on calibration since the cartridge has specific solution for calibration hence you get 100% sample runs assuring value for money Compact design with a handle to carry a lithium back up battery that can run up to 45minutes incase of power blackout. Cartridge based with all consumables inside:(Cal A&B solution,sampleprobe,Referencesolution,waste bag,electrodes,sensor card. Storage of up to 350,000 test results. Stable industrial Tri-level QC material with expiry of up to 2yrs. L-J chart for QC management Comprehensive blood gas, electrolytes, and metabolite analysis Life-saving diagnostic tool for ICU, emergency, and surgical settings Rapid assessment of respiratory function and acid-base balance Monitors critical patients requiring ventilatory support Essential for managing trauma, cardiac, and respiratory emergencies
I-SMART300 <i>(20 parameters)</i>	<ul style="list-style-type: none"> 8 parameters Comprehensive blood gas analyzer with expanded parameter menu Critical care monitoring for pH, pO2, pCO2, electrolytes, and metabolites Compact footprint suitable for point-of-care locations Quick results enabling immediate therapeutic interventions Ideal for emergency departments and intensive care units
POCTELL <i>(34 parameters)</i>	<ul style="list-style-type: none"> 10 measured and 24 calculated parameters Advanced single-cartridge based system with extensive. No external gas calibration pack,all under one test cartridge. Comprehensive critical care panel including blood gases, electrolytes, metabolites, and hematocrit Portable design for bedside testing and field hospitals No liquid reagents or regular maintenance required Cost-effective per-test pricing with cartridge-based technology

4. Immunoassay Analyzers

Product Category	Key Benefits & Applications
MQ60 smart <i>(24 tests/hour, 6 channels)</i>	<ul style="list-style-type: none"> Fully automated Chemiluminescence immunoassay for hormone and tumor marker testing Thyroid function (TSH, T3, T4), fertility hormones (LH, FSH, Prolactin) Tumor markers (PSA, CEA, CA19-9, CA125, AFP) Infectious disease markers (Hepatitis, HIV) Compact design ideal for small to medium laboratories Monotest.Pre-refilled single cartridge per tests hence no wastage of reagent over onboard stability and deterioration Calibrator, QC materials and sample tips included in the kit Short sampling time therefore reduced TAT Compact with a 10.1inch display touch screen to save on space. 6 channeled for faster analysis LIS compatible Over 110 test parameters to choose from. More than 10million tests storage 24 tests per hour
MQ60 proB <i>(48 tests/hour, 12 channels)</i>	<ul style="list-style-type: none"> Monotest.Pre-refilled single cartridge per tests hence no wastage of reagent over onboard stability and deterioration Calibrator, QC materials and sample tips included in the kit Short sampling time therefore reduced TAT Compact with a 13.3 inch display touch screen to save on space. 12 channeled for faster analysis Over 110 test parameters to choose from. More than 10million tests storage 48 tests per hour High-throughput chemiluminescence system for busy laboratories Expanded test menu including cardiac markers (Troponin I, NT-proBNP) Diabetes management (Insulin, C-peptide) Enhanced productivity with dual-channel technology Ideal for hospitals requiring comprehensive immunoassay capabilities
C800 Chemiluminescence System	<ul style="list-style-type: none"> Premium immunoassay platform for reference laboratories Extensive test menu covering endocrinology, oncology, infectious diseases Superior sensitivity and precision for clinical accuracy 30 sample positions and 12 reagent compartments 150 tests per hour with the first result out in 17mins High-throughput automation for large sample volumes Advanced software with comprehensive quality control features

Mispa-i3 Specific Protein Analyzer	<ul style="list-style-type: none"> • Single cartridge testing reduces wastage of reagent from deterioration and onboard stability • IC card calibration method therefore no extra cost from reagent use. • Fully automated and automated pipetting to reduce user errors guaranteeing accuracy. • Simple to use interface • Nephelometry and turbidimetry technology for specific protein analysis • 25 parameters including CRP, IgG, IgA, IgM, complement factors • Critical for diagnosing and monitoring immune disorders • Essential for nephrology (microalbumin), rheumatology (CRP, RF) • Reliable, reproducible results with minimal operator intervention
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5. Diabetes Management (Point-of-Care)

Product Category	Key Benefits & Applications
GlucoDr Auto Blood Glucose Monitoring	<ul style="list-style-type: none"> • Accurate blood glucose measurement for diabetes management • Essential for screening, diagnosis, and monitoring of diabetic patients • Quick results enabling immediate treatment adjustments • User-friendly design for patient self-monitoring and clinical use • Cost-effective solution for diabetes care programs
ConficareM1 HbA1c Analyzer	<ul style="list-style-type: none"> • Gold standard test for long-term diabetes control (3-month glucose average) • Critical for assessing diabetes management effectiveness • Point-of-care testing enabling same-visit results and consultations • Helps prevent diabetes complications through better monitoring • Essential for endocrinology clinics and diabetes centers

6. Microbiology - Rapid Diagnostic Test Kits

ACRO BIOTEC (USA) - Comprehensive Rapid Test Solutions

Test Category	Key Benefits & Applications
Drugs of Abuse (DOA) 50+ Analytes	<ul style="list-style-type: none"> Comprehensive drug screening for multiple specimen types (urine, oral fluid, blood, hair, powder) Detection of amphetamines, cocaine, THC, opiates, benzodiazepines, and more Multiple formats: dipstick, cassette, panel cups for various testing needs. Critical for workplace screening, rehabilitation centers, and forensic labs. Rapid results (5-10 minutes) enabling immediate decision-making.
Gastroenterology Panel	<ul style="list-style-type: none"> Rapid detection of gastrointestinal pathogens (viruses, bacteria, parasites) Rotavirus, Norovirus, Adenovirus, Campylobacter, Salmonella, C. difficile, H. pylori Giardia, Cryptosporidium, Entamoeba for parasitic infections IBD markers (Calprotectin, Lactoferrin) for inflammatory bowel disease Essential for outbreak control and appropriate antimicrobial therapy
Respiratory Infections	<ul style="list-style-type: none"> COVID-19, Influenza A/B, H1N1, Strep A rapid detection Adenovirus, Legionella, Pneumococcus, Mycoplasma testing Mononucleosis, RSV for pediatric and adult respiratory infections Critical for appropriate antimicrobial stewardship Reduces unnecessary antibiotic use through accurate diagnosis
Hepatitis & STI Markers	<ul style="list-style-type: none"> Comprehensive hepatitis panels (HAV, HBV, HCV, HDV, HEV) STI screening: Syphilis, Gonorrhea, Chlamydia, HIV, Trichomonas Vaginitis panel for bacterial vaginosis and yeast infections Essential for blood banking, prenatal screening, and sexual health clinics Early detection prevents disease transmission and enables timely treatment
Tropical Diseases	<ul style="list-style-type: none"> Malaria, Dengue, Typhoid, Zika, Chagas disease detection Filariasis, Leishmania, Leptospira, Chikungunya, Scrub typhus testing Critical for endemic regions in East Africa and tropical areas Enables rapid diagnosis during outbreaks and epidemics Essential for travel medicine and infectious disease surveillance

Cardiac Markers	<ul style="list-style-type: none"> • Troponin I/T for myocardial infarction diagnosis • NT-proBNP for heart failure assessment • CK-MB, Myoglobin, H-FABP for cardiac damage evaluation • D-dimer for thromboembolism, CRP for inflammation, PCT for sepsis • Combo panels available for comprehensive cardiac assessment • Life-saving diagnostic tools for emergency departments
Women's Health	<ul style="list-style-type: none"> • Pregnancy testing: hCG qualitative and digital quantitative • Fertility monitoring: LH and FSH ovulation prediction • Ante-natal screening: ToRCH panel (Toxoplasma, Rubella, CMV, HSV), iGFBP-1, fFN • Infectious disease screening: Candida, Trichomonas, Chlamydia, Gonorrhea, Strep B • Essential for prenatal care, fertility clinics, and obstetric departments

6B. Microbiology Laboratory Equipment

Equipment Category	Key Benefits & Applications
Laboratory Microscopes	<ul style="list-style-type: none"> • Essential for microscopic examination of blood, urine, and microbial specimens • Various magnifications for bacteria, parasites, and cellular analysis • Binocular and trinocular options with camera attachments • Critical for quality control and diagnostic confirmation • Durable construction suitable for high-usage environments
Urine Analyzers & Strips	<ul style="list-style-type: none"> • Automated urinalysis for multiple parameters (protein, glucose, blood, pH, etc.) • Screening for urinary tract infections, kidney disease, and diabetes • High-throughput processing for busy laboratories • Standardized results reducing manual interpretation errors • Cost-effective diagnostic tool for routine health screening
Incubator & Oven	<ul style="list-style-type: none"> • Precise temperature control for microbial culture growth • Essential for bacterial identification and antibiotic susceptibility testing • Multiple capacity options for various laboratory sizes • Digital temperature monitoring ensures culture viability • Critical for infectious disease diagnosis and treatment selection
Biosafety Cabinet	<ul style="list-style-type: none"> • HEPA-filtered containment for safe handling of infectious specimens • Protects laboratory personnel from biological hazards

	<ul style="list-style-type: none"> • Maintains sterile work environment preventing sample contamination • Essential for microbiology, molecular biology, and pathology laboratories • Compliant with international biosafety standards
Laboratory Centrifuge	<ul style="list-style-type: none"> • Separates blood components (serum, plasma) for testing • Variable speed control for different sample types • Multiple rotor configurations for tubes and microplates • Essential for all clinical laboratory sections • Reliable, consistent separation ensuring test accuracy
Blood Bank Equipment	<ul style="list-style-type: none"> • Blood grouping and cross-matching equipment • Blood bank refrigerators with precise temperature monitoring • Ensures safe blood transfusion through accurate compatibility testing • Critical for surgical departments and emergency medicine • Maintains blood product integrity for patient safety



7. Histology & Pathology Equipment

Equipment Category	Key Benefits & Applications
Tissue Embedding & Cooling System	<ul style="list-style-type: none"> Precise paraffin infiltration and tissue block formation Rapid cooling ensures optimal tissue preservation Critical for cancer diagnosis and surgical pathology Creates uniform blocks for high-quality sectioning Essential component of comprehensive histology workflow
Automatic Tissue Processor	<ul style="list-style-type: none"> Automated fixation, dehydration, clearing, and infiltration of tissue specimens Consistent, reproducible processing protocols Reduces manual handling and processing time Programmable for various tissue types and urgencies Enables rapid turnaround for surgical and biopsy specimens
Tissue Floating Bath	<ul style="list-style-type: none"> Water bath for flattening tissue sections before mounting Removes wrinkles and folds from delicate tissue sections Precise temperature control prevents tissue damage Essential for obtaining high-quality microscope slides Improves diagnostic accuracy through optimal slide preparation
Rotary Microtome	<ul style="list-style-type: none"> Precision sectioning of paraffin-embedded tissue blocks Ultra-thin sections (1-10 microns) for microscopic examination Adjustable thickness control for various diagnostic needs Ergonomic design reduces operator fatigue Essential for creating diagnostic slides for pathologist review
Automatic Slide Stainer	<ul style="list-style-type: none"> Automated H&E and special staining procedures Consistent, reproducible staining quality across all slides Multiple slide capacity increases laboratory throughput Reduces chemical exposure for laboratory personnel Programmable protocols for various staining techniques
Tissue Block Storage Cabinet	<ul style="list-style-type: none"> Organized storage system for paraffin tissue blocks Climate-controlled environment prevents block deterioration Facilitates easy retrieval for additional sectioning or review Essential for long-term specimen archiving and reference Compliant with medical record retention requirements

8. Hospital Equipment & Furniture

Equipment Category	Key Benefits & Applications
Patient Trolleys	<ul style="list-style-type: none"> • Safe and comfortable patient transport within hospital facilities • Adjustable height and backrest for patient comfort • Heavy-duty construction with smooth-rolling casters • Easy-to-clean surfaces for infection control • Essential for emergency departments, wards, and imaging departments
Hospital Beds (ICU/Ward Beds)	<ul style="list-style-type: none"> • Multi-functional beds with electric/manual adjustment • ICU beds with advanced positioning capabilities for critical care • Ward beds designed for patient comfort and nursing efficiency • Side rails and locking mechanisms ensure patient safety • Durable construction suitable for intensive hospital use
Ultrasound Machines	<ul style="list-style-type: none"> • Non-invasive imaging for obstetrics, gynecology, and general diagnostics • Real-time visualization of internal organs and fetal development • Portable and cart-based models for various clinical settings • Multiple transducers for comprehensive diagnostic capabilities • Essential for prenatal care, emergency diagnostics, and surgical guidance
Operating Tables	<ul style="list-style-type: none"> • Versatile surgical tables with multi-axis positioning • Electric/hydraulic controls for precise patient positioning • Radio-lucent for intraoperative imaging compatibility • Easy-to-clean surfaces for optimal infection control • Suitable for various surgical specialties and procedures
Anaesthesia Machine	<ul style="list-style-type: none"> • Precise delivery and monitoring of anesthetic gases • Integrated ventilator for respiratory support during surgery • Advanced safety features and alarms protect patient wellbeing • Multiple gas supply options for various anesthetic techniques • Essential for all surgical departments performing general anesthesia
Oxygen Concentrators	<ul style="list-style-type: none"> • Continuous supply of medical-grade oxygen from ambient air • Cost-effective alternative to oxygen cylinders • Ideal for respiratory therapy, home care, and emergency situations • Portable and stationary models available • Critical for managing respiratory conditions and COVID-19 patients

Contact Us

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