

YUBEST BIOTECHNOLOGY – YOUR PRECISION PARTNER IN COMBATING INFECTIOUS DISEASES IN AFRICA

AFS-1000








In Africa, infectious diseases remain a major public health challenge. Malaria, typhoid, pneumonia, ulcer, sepsis, cholera etc are highly prevalent, yet many primary healthcare facilities lack advanced laboratories and diagnostic equipment. This results in slow and inaccurate diagnoses, widespread antibiotic misuse, and escalating antimicrobial resistance, driving up healthcare costs.

Our Mission at YouBest

To deliver rapid, accurate, and affordable POCT (Point-of-Care Testing) solutions that directly address these challenges.

Core Diagnostic Challenges in Africa

-  **Slow diagnostics:** Lab results often take days, delaying treatment.
-  **Equipment shortages:** Most rural clinics lack advanced instruments
-  **High misdiagnosis rates:** Symptoms alone cannot reliably differentiate bacterial from viral infections
-  **Antibiotic misuse:** Inaccurate diagnoses lead to unnecessary prescriptions
-  **High costs:** Imported reagents are expensive with strict transport and storage requirements

YUBEST'S INFLAMMATION MARKER SOLUTIONS

HBP (Heparin-Binding Protein) Test

- ✓ Rises within ~1 hour of bacterial infection; results in 15 minutes
- ✓ Accurately distinguishes bacterial from viral infections
- ✓ Clinical value: Enables immediate antibiotic decision-making, reducing resistance risk

HNL (Human Neutrophil Lipocalin) Test

- ✓ Rapidly rises in early infection with high specificity
- ✓ Critical in managing severe infections and preventing sepsis
- ✓ Clinical value: Provides early warning for critically ill patients, buying life-saving time

AFS2000A





YouBest - Making every test in Africa faster, more accurate, and more accessible.



Point-of-Care Testing Solutions

YUBEST® 优博思®







MxA (Myxovirus Resistance Protein A) Test

- ✓ Highly specific biomarker for viral infections, unaffected by bacterial or non-infectious inflammation.
- ✓ Requires no equipment—results can be read visually.
- ✓ Clinical value: Avoids unnecessary antibiotic use for viral cases, lowering treatment costs.

MxA/CRP Dual Test

- ✓ Simultaneously detects viral infection (MxA) and inflammation response (CRP)
- ✓ One-step differentiation between viral, bacterial, or other inflammatory conditions
- ✓ No equipment needed; results can be read visually.
- ✓ Clinical value: Rapid pathogen identification in respiratory and other common infections, supporting timely treatment.

WHY YUBEST IS IDEAL FOR AFRICA

-  **Fast:** Results in 15 minutes
-  **No large equipment:** Suitable for rural clinics and mobile healthcare units
-  **Climate-resilient:** Stable at ambient temperature; resistant to heat and humidity
-  **Affordable:** Costs about one-third of imported lab tests.
-  **Wide coverage:** From urban hospitals to remote communities
-  **Easy training:** Healthcare staff can be trained in a short time.

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ILLUSTRATIVE SCENARIOS (FOR DEMONSTRATION PURPOSES ONLY)



HBP Test: Tanzania - Pregnant woman diagnosed with bacterial infection in 15 minutes, treated promptly, mother and baby safe



HNL Test: Sierra Leone - Boy flagged for severe bacterial infection risk, enabling immediate intervention and avoiding sepsis.



MxA Test: Nigeria - Viral infection confirmed, antibiotics avoided.



MxA/CRP Dual Test: Kenya - Student diagnosed with bacterial infection in one step, recovered after prompt treatment.

ABOUT YUBEST BIOTECHNOLOGY

Founded in 2020, YouBest Biotechnology (Zhejiang) Co., Ltd. is a high-tech enterprise specializing in early diagnostics for infectious diseases. With world-leading monoclonal antibody technology, our patented HBP, HNL, MxA, and MxA/CRP products are improving diagnostic capacity in primary healthcare facilities worldwide.

YUBEST BIOTECHNOLOGY (ZHEJIANG) CO.LTD

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