

Catalyse Development

Concept

Pathogen-specific typhoid RDT (typhus, leptos)

High-priority malaria RDT

Gonorrhoea DR test

Near-POC MDx for VHF detection (incl. Lassa)

Feasibility

LAM sputum monitoring (Otsuka)

Triage POC test

Centralized use: NGS

POC molecular test (BLINK DX)

2nd Gen LAM for broad use cases

Host & pathogen marker screening

P. vivax serology (WEHI, Mologic)

Bacterial/non-bacterial triage test

Schistosoma: RDT (Mologic)

Buruli: mycolactone RDT (DDTD)

HCV self-test (Orasure, Access Bio)

Xpert Carba-R v2 (Cepheid)

RDT reader for connected Dx

Gonorrhoea Dx (CT/NG detection)

Substandard & falsified medicine screening

Semi-open molecular platform for Lassa (Altona, Cepheid)

POC multi-analyte, polyvalent (BLINK DX)

Zika–dengue–chikungunya flex assay

Development

Centralized use: Fluortype XDR (Hain/Bruker)

GeneXpert OMNI (Cepheid)

eHealth solutions: DX in a BX

Multiplexed immunoassay (Chembio)

Highly sensitive combo RDTs (SD/Abbott)

Buruli: LAMP (DITM, NMIMR)

Buruli: Ag capture (SD/Abbott, Swiss TPH)

HAT: malaria combo RDT (SD/Abbott)

cAg RDT format (DCN, Mologic)

Guide Use and Policy

Evaluation

TrueNAT (Molbio)

Centralized DST (Roche, Abbott, BD, Hain/Bruker)

Host biomarker and phenotypic ID tool landscaping

Paediatric TB stool kit (Rutgers)

Radiology: CAD4TB (Delft), Qure.ai

Breath test (Enose, RBS)

1st Gen LAM (Fujifilm)

Decentralized use: Xpert XDR (Cepheid)

Biomarker-based product validation

CRP + malaria test (SD BIOSENSOR)

Buruli: fTLC (Harvard, WHO)

Leishmania: Rk28 RDT for WHO (CTK Biotech)

RNA (genedrive)

Serology RDTs for WHO PQ

RNA DBS for WHO

cAg test of cure (Abbott)

RDA Truenat (Molbio)

Lassa RealStar 2.0 ERPD for WHO (Altona)

Demonstration

hsRDT in maternal & child health







CRP + malaria test (SD BIOSENSOR)

HAT: 2nd Gen RDT (SD/Abbott)

Xpert HCV VL Fingerstick test (Cepheid)

Multiplexed fever panel (BioFire)

Disease programmes

	Tuberculosis		Malaria & Fever		Antimicrobial Resistance
	Hepatitis C & HIV		Pandemic Preparedness		Neglected Tropical Diseases