

Catalyse Development

Guide Use and Policy

Concept

Feasibility

Development

Evaluation

Demonstration

TB host & pathogen marker screening

LAM RDTs for broad use cases

Host biomarker and phenotypic ID tool landscaping

Non-HRP2 marker landscaping

Open-access biomarker database (Bm2Dx)

MAPDx platform (MSF)

Typhoid & other pathogen Dx landscaping

Simplified blood culture landscaping

Self-testing (TBD)

Gonorrhea Dx (drug stewardship)

UTI landscaping & project definition

Substandard & falsified medicine screening

WHO R&D Blueprint pathogen landscaping

Yellow fever & meningitis Dx for vaccine admin landscaping

WHO outbreak landscaping & disease commodity packages

LAM sputum monitoring (Otsuka)

Triage POC test (TBD)

Centralized use: Next Generation Sequencing

POC molecular ID & DST (Blink Dx)

RDT for recent *P. vivax* infections (WEHI, Mologic)

Bacterial vs non-bacterial triage tests (NMI)

Schistosoma: RDT (Mologic)

Buruli: Mycolactone RDT (DDTD)

RNA polyvalent POC (Blink Dx)

cAg RDT format (multiple partners)

Xpert Carba-R v2 (Cepheid)

AMR connectivity toolkit

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

POC multi-analyte, polyvalent (Blink Dx)

Yellow fever rapid test (Mologic/IPD)

LAM RDTs for HIV+ (Fujifilm)

Decentralized use: Xpert XDR (Cepheid)

Centralized use: Flurotype XDR (Hain)

GeneXpert Omni (Cepheid)

eHealth clinical decision support toolbox

Multiplexed immunoassay (ChemBio)

Improved RDTs for *P. falciparum* and *P. falciparum* plus *P. vivax* (SD/Abbott)

Buruli: LAMP (DITM, NMIMR)

Buruli: Ag capture (SD, Swiss TPH)

HAT: malaria combo RDT (SD)

RNA TrueNAT (Molbio)

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Centralized DST (Roche, Abbott, BD, Hain)

Host biomarker and phenotypic ID tool landscaping

Paediatric TB stool kit (Rutgers)

Radiology: CAD4TB (Delft), Qure.ai

Breath test (Enose, RBS)

Biomarker-based product validation (multiple partners)

CRP + malaria test (SD Biosensor)

Fast blood culture ID

Leishmaniasis: Rk28 RDT for WHO (CTK Biotech)

RNA (genedrive)

Serology RDTs for WHO PQ (multiple partners)

RNA DBS for WHO (multiple partners)

cAg test of cure (Abbott)

Lassa RealStar 2.0 ERPD for WHO (Altona)







hsRDT in maternal & child health (multiple partners)

CRP use in Viet Nam

HAT: Second generation RDT (SD)

RNA capillary blood (Cepheid)

Disease programmes

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