

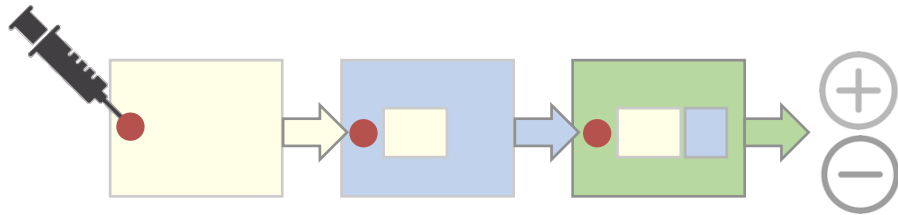


ThermoField Diagnostics

Infectious disease detection in a snap

WHAT WE DO

Detection of infectious diseases in the field just got easier. A closed-system requiring minimal resources can identify leishmaniasis and soon other infectious diseases with unprecedented mobility. This first of its kind diagnostics toolset will revolutionize field work.



[A patient sample is injected into an innovative process-staged consumable. Manually snapping membranes to mix chemical components within each stage of the detection process. The closed-system is free from environmental contamination, easy-to-use, accurate, and sensitive yielding actionable results.]

MARKET SIZE

The global market for infectious disease diagnostics alone is projected to reach \$18 billion by 2019, a CAGR of 7.9%. More specifically, the Rapid Diagnostic Test (RDT) market is expected to grow at a CAGR of 4.1%

COMPETITORS



PROGRESS & MILESTONES

- Multi-generation prototypes tested and validated
- Continue benchmark testing against current “gold standards” such as PCR
- Continue clinical validation to substantiate results relative to other closest “competitors”
- Identify manufacturers to produce and scale field-ready materials

TARGET CUSTOMER PAIN POINTS

- High fidelity diagnostics are hard to come by in the field
- Contamination of samples decreases confidence in results
- Consistent power sources, equipment repair costs, and transport/ logistics challenges have inhibited use of sophisticated lab equipment
- The US Army, Medical Facilities in underserved areas, and Global Health Initiatives can take advantage of easy-to-use, low cost solutions

THE PRODUCT

- [PROTOTYPE] In-field target specific process stage consumable for infectious disease testing using isothermal amplification techniques
- [IDEATION] Expand testing panel to additional infectious and non-infectious diseases using DNA targets
- [IDEATION] Expand tests to include RNA virus detection

DIFFERENTIATION

- Closed-system decreases contamination risk for the patient sample and minimizes clinician/ technician exposure to infectious agents
- Designed specifically for resource-limited environments.
- Improved sample stabilization within the closed and field-ready system

MANAGEMENT TEAM

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