



GARD

Technologies

PATH

“Detect Early, Act Fast”

Problem

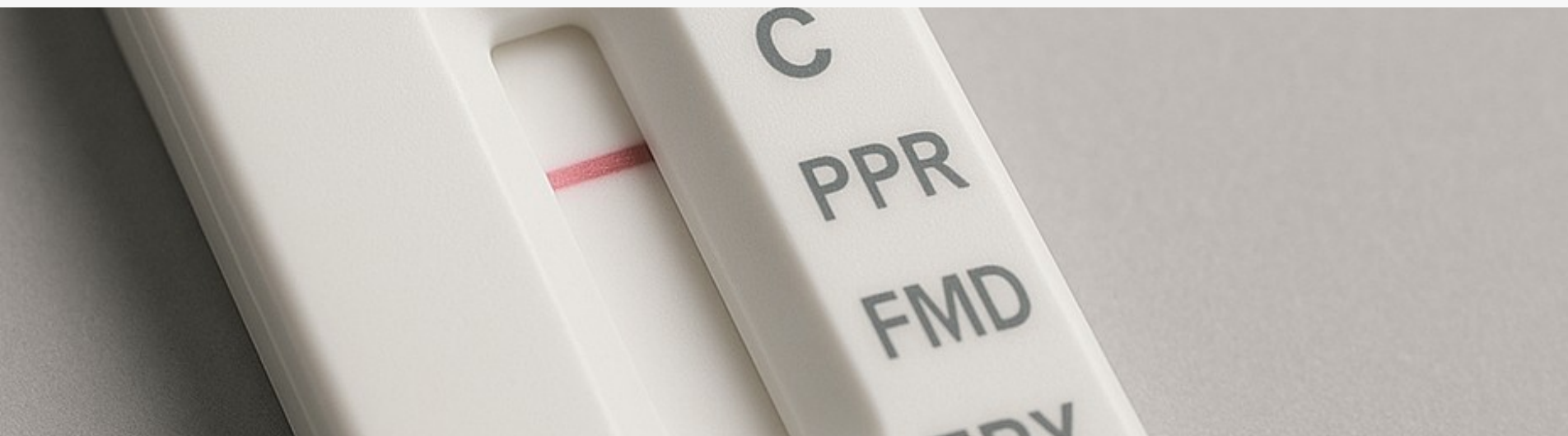
Veterinarians in Ghana and West Africa often rely on “**trial and error**” and clinical signs for treatments due to lack of readily available diagnostic tools, resulting in losses of up to 60% livestock. (GALVmed, 2025)

- ★ Animal farming is essential to Ghana's agriculture, boosting food security and rural employment. However, high mortality rates, with losses of 40-60% during disease outbreaks, threaten farmers' livelihoods and the national economy
- ★ Among these, Mouth-and-Foot disease(FMD), *Peste des petits ruminants* (PPR), Newcastle Disease are devastating, swiftly leading to significant losses. (FAO, Rome 2018)

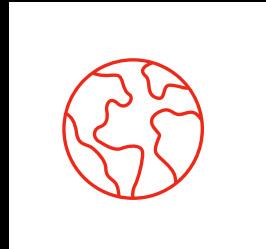


Solution

We are developing a one-test, multi-disease rapid test kit for **Foot-and-Mouth Disease** and **PPR** in cattle and small ruminants to enable early detection and ensure accurate treatment.



Market Size



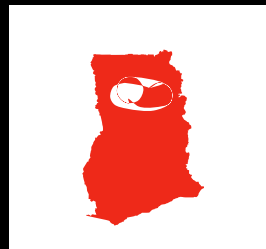
Total Available Market (TAM)

\$1.7 Billion



Serviceable Addressable Market (SAM)

\$300 Million



Serviceable Obtainable Market (SOM)

\$18.2 Million



Source: CAGR, Data Bridge(Sept 2024) :

Revenue Model

➔ Revenue Streams

B2B and B2C

➔ Gross Profit Margin - 27.7%

Selling Price- GHC 18 (\$0.32)

Cost Price- GHC 13.0 (\$0.24)



Traction



Documentations

- Business Registered
- Operating Permit Acquired



Product Development

- Acquired Production Site
- Product successfully tested
- Lab apparatus acquired



Partnerships

- Successfully partnered Incas diagnostics
- Signed MOU with 1000+ veterinarians



Marketing

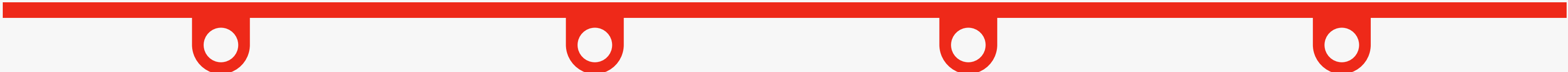
- Website Acquired
- Gained 800+ followers on social media



Sales

- Generated a revenue of 8,500 cedis

Key Milestones to Come



Establish agreements
with veterinary
associations ,
agricultural
cooperatives, and
NGOs.

Develop test kits for
more ruminant diseases
or other livestock.

Certification with
CSIR-ARI and MOFA
-APD

Acquisition of
machines like the
laminating machine
and strip cutters

Team



Hussein Abukari Adams

Chief Executive Officer

Medical Student, Certificate in Biology.



Abdul Karim Shamsia Titiaka

Chief Marketing Officer

Student, Experience in marketing and communication



Dr. Alhassan Abukari Sadik

Chief Finance Officer

2-year in Point of care testing and Instrumentation



Christopher Yennukwa Sajuat

Chief Production Officer

Registered Veterinary Nurse