

# Development of commercial scale rapid microbial detection system



PathoGenetix, Inc.

**Product development partner for commercial  
scale rapid microbial detection system.**

## Expertise and domain knowledge

- Product development
- Medical
- GSS technology
- Concept validation
- VoC analysis
- Go-to-market strategy



### **Our client asked:**

PathoGenetix selected Sagentia Innovation as their product development partner to take the current laboratory prototype using their proprietary GSS technology and help turn it into a technically and commercially successful platform.

### **The project story:**

We were involved across the product development lifecycle:

- Concept validation and VoC analysis across worldwide sites to help the client determine and define their go-to-market strategy.
- Development of the architecture.
- Delivery of all electro-mechanical and electro-optical aspects that enable the GSS technology to be taken to market.
- Delivery of alpha prototypes.

### **Contact us**

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### **Results: deliverables and outcomes**

- We combined two initial bread board systems into an intuitive and usable system with a smaller footprint, as well as a lower per unit cost base.
- The system has the potential to identify the specific pathogen causing a foodborne illness outbreak – a critical step in defining the extent of the outbreak, determining the food involved, finding the source of the contamination and defining the scope of a product recall.