



YOUR GUIDE TO SOLVING FOOD SAFETY & QUALITY CHALLENGES WITH AUGMENTED DIAGNOSTICS

Unlock new and actionable insights to answer the most important questions, solve your unique challenges, and improve your operations.

1

FRAME YOUR QUESTION

The first step to finding a solution, is to understand the problem. Identifying the question you are most interested in answering is critical to focus the problem-solving approach.

- How do I fight a persistent pathogen strain in my production environment?
- How do I keep my finished product from spoiling?
- How can I make test results more actionable?
- How can I speed up decision making and catch problems earlier?
- How can I focus my budget and resources where it matters most?

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TOOLS & TEAM

Once your critical question is identified, assemble the tools and the team that will augment the problem-solving approach.



Invest in Advanced Tools

It's important to understand not just what types of technology are available, but if the tools will provide data that act as **actionable answers to your questions**.



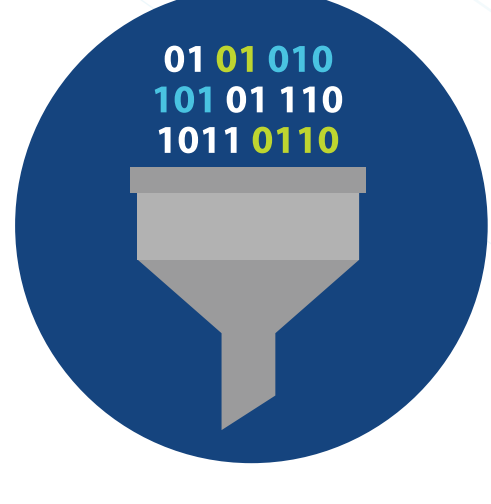
Rely on Experts

Find the right partner that addresses your specific goals and unique challenges. **Ensure the expertise of your partner fits both current and future needs.**

3

LEVERAGE THE RIGHT DATA

While there is an abundance of data that can be collected across food processing — from raw materials to end-user consumption — your smallest data will be the most important anchor points to drive actionable insights.



Big VS Small Data

The term "Big Data" has been a buzzword for many years, but molecular diagnostic tools are giving organizations the ability to **truly focus on and understand** their specific "small data" for the first time.



Dynamic Risk Assessment

Take the "small data" that is gathered from incidents and **augment it with expertise in microbiology and food safety** to solve complex challenges and better anticipate risk.



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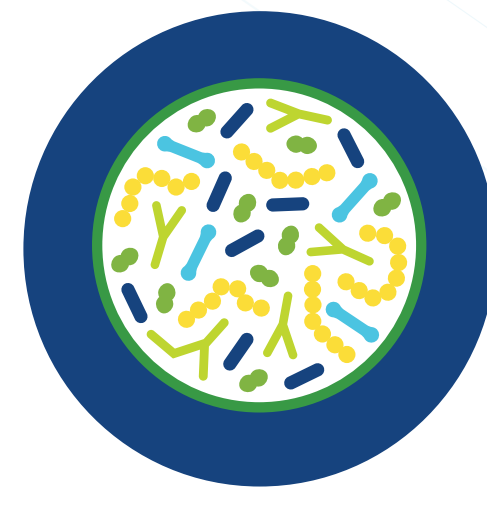
UNLOCK NEW INSIGHTS

Now more than ever, data and genomic tools are giving organizations the ability to truly focus on and understand their "small data" for the first time.



Whole Genome Sequencing

Whole genome sequencing is gaining traction as more organizations are leveraging this tool to provide more in-depth, precise data — with Augmented Diagnostics, WGS data is analyzed to deliver **clear, meaningful results that will inform solution-oriented actions.**



Metagenomics

Metagenomics provides a more complete analysis, revealing a product's microbiome to pinpoint relevant spoilers, enabling **enhanced screening for risk mitigation throughout production.**



Digitalization

Digitalizing testing programs automates processes, ensuring precision and expediting information access for decision-making, while also **presenting data trends that aid in early issue detection.**



Predictive Models

Expertise-linked predictive models **correlate testing, manufacturing, and supply chain data** to connect the dots and assess future risk.

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MAKE DECISIONS & TAKE ACTION

Now that you have collected and analyzed the right data, you can take informed actions for a variety of potential outcomes:

- Optimize sanitation programs
- Eliminate pathogen reservoirs
- Improve process interventions
- Increase supply chain reliability
- Accelerate product release
- Reduce hold times and storage costs
- Contribute to sustainability goals
- Prevent production stops
- Maintain regulatory compliance
- Avoid recalls

GO BEYOND THE TEST.

With the Augmented Diagnostics suite of solutions and diverse expertise, you can answer your most important questions and improve your operation.



Get started by visiting our website and getting in touch with our experts.
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