

TAAG

ELEVIA CATALOG

AIGOR BASED PRODUCTS 2025





Fastest results with unmatched sensitivity

Revolutionize Your Pathogen Testing with **AiGOR™** Technology

Detect pathogens as fast as 6 hours in products, and in under 3 hours on surfaces without enrichment, without outsourcing, and with 10,000x more sensitivity than standard PCR.

TAAG AI TECH



AiGOR™ is also integrated into our Elevia™ kit line, ensuring each Elevia™ kit benefits from AiGOR's extraordinary sensitivity and rapid turnaround—enabling faster, more accurate results in a variety of testing applications.

Speed and Precision at your disposal.

01 Revolutionary technology

AiGOR is a revolutionary technology that identifies highly transcribed, constant RNA sequences within the target organism and uses these sequences as templates for amplification. By leveraging the natural abundance of RNA molecules, AiGOR dramatically enhances PCR detection, increasing sensitivity by around 10,000-fold.

02 AiGOR speed

Thanks to this remarkable sensitivity, the enrichment step can be significantly reduced—or even eliminated. For instance, in environmental testing, AiGOR-based kits require no enrichment at all, delivering results in as little as three hours, compared to the 24–28 hours needed for traditional qPCR methods.

03 AiGor insights

Moreover, AiGOR supports quantitative results, enabling precise measurement and robust data interpretation across a wide range of applications.

TAAG

PRODUCT LINES

Elevia™ Kit line

Ultra-Sensitive and Rapid Pathogen Detection

Traditional pathogen testing often requires extended enrichment steps to achieve sufficient detection sensitivity, leading to long turnaround times and delayed decision-making. This inefficiency increases operational costs and slows down critical food safety and environmental monitoring workflows.

The Elevia™ kit line, powered by AiGOR™ technology, revolutionizes detection by utilizing highly transcribed RNA sequences as amplification targets. This unique approach enhances PCR sensitivity by up to 10,000-fold, enabling significantly faster and more accurate results. With reduced or even eliminated enrichment steps, Elevia™ kits provide laboratories with an efficient, high-throughput solution for pathogen detection.

KEY BENEFITS

- **Ultra-High Sensitivity**

Elevia™ Kits amplifies highly abundant RNA targets, enhancing detection by several orders of magnitude.

- **Enhanced Efficiency**

Minimizes hands-on time, increasing lab productivity and optimizing resource utilization.

- **No enrichment for environmental testing**

Reduce the lab outsourcing costs and the risk of cross contamination.

- **Quantitative Insights**

Supports precise quantification, enabling robust data interpretation for diverse applications.

- **Complementary laboratory services**

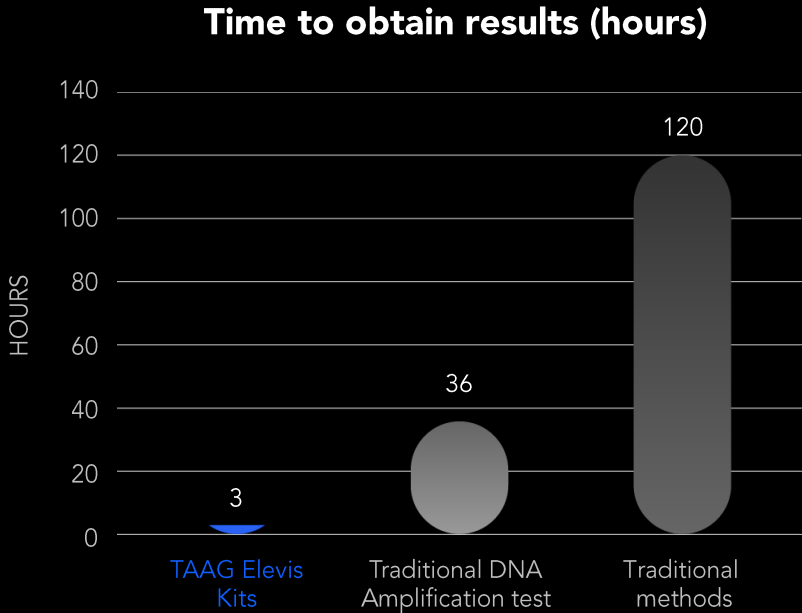
- Microbiological baseline of your facilities to identify critical points.
- NGS services for pathogen traceability.

- **Specific validation in your matrices**

A kit certification on certain products doesn't guarantee it will work on yours. That's why we offer a free validation service on your specific products, ensuring that our kits deliver the most confident and accurate results possible in your unique matrices.

- **Easy and fast customization**

Do you need to identify more, less, or other pathogens? No problem, we can do this customization for you.



Our technology allows for a 40-fold reduction in turnaround time, which means faster production lines for our clients. It also allows them to release their products more quickly, resulting in lower storage and warehousing costs.

10 to 40 times faster

Faster Turnaround

Thanks to our AI-based Aigor technology, we managed to create a product that reduces or eliminates enrichment, taking samples from the surfaces and delivering results in as little as three hours for environmental samples.

Complementary laboratory testing: NGS and traceability

If any of the pathogens are detected in your sample, you can send it to one of our accredited laboratories for a complimentary Next-Generation Sequencing (NGS) analysis for traceability.

All Elevia kits are compatible with Ai software TxA.

Pathogen qPCR kits (AiGOR technology)

Elevia™ 1.1 Salmonella spp.



Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF135	SPID 12 PCR strips 100 µL - 96 reactions
V-SF120	Tube format - 96 reactions

Product overview

Elevia™ 1.1 Salmonella spp. is an advanced qPCR detection kit designed for ultra-sensitive, rapid detection of *Salmonella* spp. in chocolate and surfaces. Utilizing breakthrough AiGOR technology — which boosts sensitivity by 10,000-fold over conventional qPCR—the kit achieves an impressive detection limit of 1 CFU/mL (in contrast to the typical 10,000 CFU/mL sensitivity of standard qPCR assays). This heightened sensitivity allows for only a short enrichment step, enabling the detection of *Salmonella* spp. in chocolate in just 9 hours (enrichment included), compared to the 24–28 hours required by traditional qPCR assays.

Targets

- *Salmonella* spp.

Key features

- **Unmatched Sensitivity:** AiGOR technology enhances detection to 1 CFU/mL, offering 10,000 times greater sensitivity than standard qPCR.
- **Rapid Turnaround:** Achieve complete *Salmonella* spp. detection in approximately 9 hours (including a minimal enrichment step).
- **Ready-to-Use Format:** Designed for ease of use with minimal analyst intervention—streamlined for efficiency.
- **Internal Control:** Every reaction includes an internal control to monitor PCR performance and ensure reliable results.
- **Seamless Integration:** Optimized for use with Magneus™, making it a comprehensive solution for detecting pathogens in challenging matrices like chocolate.

Applications

- Confectionary industry: quick results for chocolate related products.
- Reliable pathogen testing for both food products and surfaces in manufacturing, processing, and packaging environments.
- Quick and accurate testing for *Salmonella* spp. in finished products, raw materials, and production areas.
- A dependable solution for contamination risk mitigation across industries.

Related products

- Magneus™ 1 Bacteria: High-efficiency DNA extraction for bacteria in automated systems. Ensures minimal inhibitor interference, reliable PCR results, and streamlined workflows for microbiology and food safety labs.
- Augmentis™ 91 BPW: Medium for pre-enrichment of *Salmonella* and *E. coli* in food and environmental samples, enhancing pathogen detection efficiency, available in ready-to-use format.
- Captus 1 Surface Dirirect: specialized kit designed for the collection, storage, transport, and extraction of nucleic acids from surface samples



Sample

Sample collection
TAAG Sample bags

Enrichment
Augmentis™ 91 BPW
From 6 hours

DNA extraction
Magneus™ 1 Bacteria
40 mins.

Real-time PCR
Elevia™ 1.1 Salmonella spp.
110 mins.

Data analysis
TxA software

Time to results
From 8.5 hours

TAAG

ELEVIA CATALOG

INDUSTRIAL APPLICATIONS 2025

