TAAG

AMPLIORA CATALOG

Mila BASED PRODUCTS 2025

Mila™

Finally, the PCR You Truly Need.

Beyond complexity. Beyond compromise. Welcome to the future of multiplex PCR development, powered by Mila™ AI.

TAAG AI TECH

Mila™

Mila is the first AI-driven platform worldwide that designs and selects the best primer/probe sets from millions of possible combinations. By leveraging Mila's predictive capabilities, our PCR kits achieve unmatched precision and efficiency.
For the first time, Mila makes qPCR kit customization both easy and cost-effective, ensuring you can quickly and effortlessly obtain the ideal PCR kit for any application.

Mila™ is one of our core technologies and is incorporated into both the Ampliora™ and Elevia™ kit lines. This integration ensures that each kit benefits from Mila's AI-driven primer/probe design, delivering the highest levels of precision and efficiency for a wide range of applications.

Let us make the **Best Kit Possible** for you

01 The best PCR assays

Mila's ability to precisely predict the ideal primer/probe set ensures you will use best PCR assay.

02 High multiplex PCR

Mila designs and selects primers and probes to avoid mutual interference, allowing extremely highly multiplex PCR assays.

03 Highest accuracy

Using Mila the highest accuracy (sensitivity and specificity) are guaranteed.

04 Fastest developments

From concept to receiving your kit, the process takes just a few weeks.

TAAG

PRODUCT LINES

Ampliora™ Kit line

Most food companies are required to analyze multiple pathogens as part of their microbiological programs. Typically, each pathogen test involves enrichment and analysis for every pathogen being detected.
For example, if a company needs to test for three pathogens—Salmonella, Listeria, and E. coli—they must perform three separate enrichments, three independent DNA extractions, three individual analyses, and three separate data evaluations and result publications.
The problem: Running multiple tests in parallel is costly and inefficient, leading to low productivity.
Our Ampliora™ kit line addresses all these challenges. Utilizing Mila technology, it offers seamless multiplexing capabilities with the highest levels of sensitivity and specificity. With this kit, you can be confident in your results, saving time and resources while ensuring accuracy.

KEY BENEFITS

- **Increased Productivity**

Streamline your testing process with our kits, reducing the labor needed for pathogen detection.

- **Cost Efficiency**

Save on operational costs by using a single assay to detect multiple pathogens simultaneously, minimizing the need for multiple tests.

- **Fast, accurate and more informative results**

Detection and identification of multiple pathogens in just 26 hours.

- **Complementary laboratory services**

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

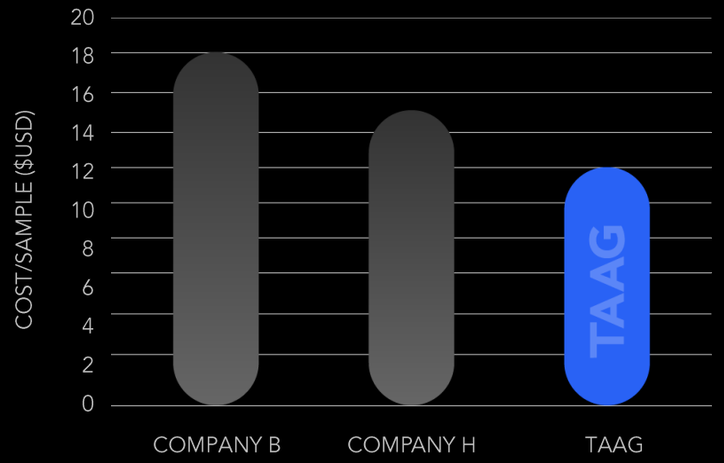
- **Specific validation in your matrices**

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.

Price reagents for detecting 3 pathogens



Assuming an average reagent cost difference of $4 per sample and a personnel cost of $1.00 per reaction, processing 50 samples/day using Ampliora kits yields:

USD$100,000 SAVINGS PER YEAR

Best multiplex PCR

Our Ampliora product line is the best PCR possible. Thanks to our ai technology, Mila, our kits development don't have to take compromises, while targeting exactly the microorganisms that you are looking for. They are designed with performance over simplicity.

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 Ampliora kits are compatible with Ai software TxA.

Pathogen qPCR kits (Mila technology)

Ampliora™ 2.3 Listeria spp. and L. monocytogenes

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF46	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 2.3 Listeria spp. and L. monocytogenes is an advanced qPCR detection kit designed for the rapid and highly sensitive identification of *Listeria monocytogenes* and *Listeria* spp. across food and environmental samples. Powered by Mila AI-Optimized Technology, the kit ensures unparalleled accuracy by selecting the optimal primer/probe sets, delivering superior sensitivity and specificity. Whether for routine monitoring or critical contamination control, Ampliora™ 2.3 Listeria spp. and L. monocytogenes provides a cutting-edge molecular solution for detecting *Listeria* with confidence.

Targets

- *Listeria monocytogenes*
- *Listeria* spp.

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Comprehensive pathogen detection for both food products and surfaces across manufacturing, processing, and packaging environments.
- Fast and reliable testing for Listeria spp. and L. monocytogenes in finished products, raw materials, and production areas.
- A dependable solution for effective contamination risk management in various industries.

Related products

- Augmentis™ 1 Listeria: Selective dehydrated medium for growing Listeria spp. in food, beverage, and surface samples, ensuring accurate detection and safe product quality control.
- Nucleia™ 2 Tez-Q Plus: Efficient extraction kit for bacterial DNA, capturing PCR inhibitors, and providing high-quality samples ready for real-time PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	TAAG Sample bags	Augmentis™ 1 Listeria 24 ± 2 hours	Nucleia™ 2 Tez-Q Plus 40 mins.	Ampliora™ 2.3 Listeria spp. and L. monocytogenes 70 mins.	TxA software	26 ± 2 hours

Pathogen qPCR kits (Mila technology)

Ampliora™ 2.8 Listeria spp. and Salmonella spp.

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF44	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 2.8 Listeria spp. and Salmonella spp. is an advanced qPCR kit designed for the simultaneous detection of *Listeria* spp. and *Salmonella* spp. in food and environmental samples. Powered by Mila AI-Optimized Technology, it ensures ultra-sensitive and highly specific pathogen identification, reducing false positives and enhancing accuracy. Ampliora™ 2.8 Listeria spp. and Salmonella spp. delivers fast, precise pathogen detection, optimizing food safety and quality assurance processes.

Targets

- *Listeria spp.*
- *Salmonella spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Pathogen screening for both food products and surfaces in manufacturing, processing, and packaging environments.
- Rapid detection of Listeria spp. and Salmonella spp. in finished products, raw materials, and production zones.
- A trusted solution for contamination prevention across multiple industries.

Related products

- 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.
- Nucleia™ 2 Tez-Q Plus: Efficient extraction kit for bacterial DNA, capturing PCR inhibitors, and providing high-quality samples ready for real-time PCR analysis.

WORKFLOW

Sample	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
Sample collection TAAG Sample bags	Augmentis™ 91 BPW Augmentis™ 1 Listeria 24 ± 2 hours	Nucleia™ 2 Tez-Q Plus 40 mins.	Ampliora™ 2.8 Listeria spp. and Salmonella 2.5 hours	TxA software	27 ± 2 hours

Pathogen qPCR kits (Mila technology)

Ampliora™ 3.5 Salmonella spp. L. monocytogenes and Listeria spp.

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF59	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 3.5 Salmonella spp., L. monocytogenes and Listeria spp. is an advanced qPCR kit designed for the simultaneous detection of *Salmonella* spp., *Listeria monocytogenes*, and *Listeria* spp. in food and environmental samples. Powered by Mila AI-Optimized Technology, it delivers exceptional sensitivity and specificity, ensuring rapid and precise pathogen identification while minimizing false positives. Ampliora F35 Salmonella spp., L. monocytogenes and Listeria spp. offers a fast, efficient solution for comprehensive pathogen monitoring, enhancing food safety and quality control.

Targets

- *Listeria monocytogenes*
- *Listeria spp.*
- *Salmonella spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Extensive pathogen detection for both food products and surfaces in manufacturing, processing, and packaging areas.
- Quick testing for *Salmonella* spp., *L. monocytogenes*, and *Listeria* spp. in finished products, raw ingredients, and production facilities.
- A proven solution for managing contamination risks in various sectors.

Related products

- Augmentis™ 1 Listeria: Selective dehydrated medium for growing Listeria spp. in food, beverage, and surface samples, ensuring accurate detection and safe product quality control.
- 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.
- Nucleia™ 2 Tez-Q Plus: Efficient extraction kit for bacterial DNA, capturing PCR inhibitors, and providing high-quality samples ready for real-time PCR analysis.

WORKFLOW

Sample	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
Sample collection TAAG Sample bags	Augmentis™ 91 BPW Augmentis™ 1 Listeria 24 ± 2 hours	Nucleia™ 2 Tez-Q Plus 40 mins.	Ampliora™ 3.5 Salmonella spp., L. monocytogenes and Listeria spp. 120 mins.	TxA software	26 ± 2 hours

Pathogen qPCR kits (Mila technology)

Ampliora™ F39 E. coli STEC, E. coli O157:H7 and Salmonella spp.

Download technical data sheet

ORDERING INFO

Catalog	Format
V-FF30-1	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ F39 E. coli STEC, E. coli O157:H7 and Salmonella spp. is an advanced qPCR kit designed for the simultaneous detection of Shiga toxin-producing E. coli (STEC), E. coli O157:H7, and Salmonella spp. in leafy greens and meat. Powered by Mila AI-Optimized Technology, it ensures superior sensitivity and specificity, minimizing false positives and optimizing food safety testing. Ampliora™ F39 E. coli STEC, E. coli O157:H7 and Salmonella spp. delivers rapid, reliable pathogen detection, enhancing quality control in fresh produce.

Targets

- *Escherichia coli O157:H7*
- *Escherichia coli STEC*
- *Salmonella spp.*

Key features

- **Certified by AOAC:** by extension of license number 032501.
- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Robust pathogen testing for both food products and surfaces in manufacturing, processing, and packaging areas.
- Efficient detection of *E. coli* STEC, *E. coli* O157:H7, and *Salmonella* spp. in finished products, raw materials, and production environments.
- A reliable tool for contamination control in diverse industries

Related products

- Augmentis™ 1 Listeria: Selective dehydrated medium for growing Listeria spp. in food, beverage, and surface samples, ensuring accurate detection and safe product quality control.
- 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.
- Nucleia™ 2 Tez-Q Plus: Efficient extraction kit for bacterial DNA, capturing PCR inhibitors, and providing high-quality samples ready for real-time PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	TAAG Sample bags	Augmentis™ 91 BPW 24 ± 2 hours	Nucleia™ 2 Tez-Q Plus 40 mins.	Ampliora™ F39 E. coli STEC, E. coli O157:H7 and Salmonella spp. 100 mins.	TxA software	26 ± 2 hours

Spoilage qPCR kits (Mila technology)

Ampliora™ 8.1 Yeast Plus

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF64	SPID 24 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 8.1 Yeast Plus is an advanced qPCR kit designed for the rapid and precise detection of spoilage yeasts in beer. It targets *Brettanomyces, Pichia, Saccharomyces*, and *Zygosaccharomyces* species, including *S. cerevisiae* var. diastaticus, a major contaminant in beer. Mila AI-Optimized Technology enhances specificity and sensitivity, ensuring accurate identification and minimizing false positives. Ampliora™ 8.1 Yeast Plus SPI enables early detection of spoilage yeasts, safeguarding beer quality and consistency.

Targets

- *Brettanomyces bruxellensis*
- *Brettanomyces spp.*
- *Pichia spp.*
- *Saccharomyces cerevisiae*
- *Saccharomyces cerevisiae var. diastaticus*
- *Saccharomyces spp.*
- *Zygosaccharomyces bailii/parabailii*
- *Zygosaccharomyces group (Z. bailii/parabailii and Z. rouxii)*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Beer industry: Rapid and precise detection of spoilage yeasts in beer.

Related products

- Nucleia™ 4 Bacteria, Yeast and Mold: Extraction kit for yeast and bacteria in beer, wine, water, and surface samples, providing high-quality genetic material for PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	TAAG Sample bags	Wort Media From 48 hours	Nucleia™ 4 bacteria yeast and Mold 50 mins.	Ampliora™ 8.1 Yeast Plus 103 mins.	TxA software	From 51 hours

Spoilage qPCR kits (Mila technology)

Ampliora™ 4.3 Yeast

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF100	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 4.3 Yeast is an advanced qPCR kit designed for the rapid and precise detection of spoilage yeasts in beer. It targets Saccharomyces, and Zygosaccharomyces species. Mila AI-Optimized Technology enhances specificity and sensitivity, ensuring accurate identification and minimizing false positives. Ampliora™ 4.3 Yeast enables early detection of spoilage yeasts, safeguarding beer quality and consistency.

Targets

- *Saccharomyces cerevisiae*
- *Saccharomyces spp.*
- *Zygosaccharomyces bailii/parabailii*
- *Zygosaccharomyces group (Z. bailii/parabailii and Z. rouxii)*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Beer industry: Rapid and precise detection of spoilage yeasts in beer.
- Wine industry: Rapid and precise detection of spoilage yeasts in wine, surfaces and water.

Related products

- Nucleia™ 4 Bacteria, Yeast and Mold: Extraction kit for yeast and bacteria in beer, wine, water, and surface samples, providing high-quality genetic material for PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	TAAG Sample bags	Wort Media From 48 hours	Nucleia™ 4 Bacteria, Yeast and Mold 50 mins.	Ampliora™ 4.3 Yeast 103 mins.	TxA software	From 51 hours

Spoilage qPCR kits (Mila technology)

Ampliora™ 4.4 Yeast

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF101	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 4.4 Beer Yeast is an advanced qPCR kit designed for the rapid and precise detection of spoilage yeasts in beer. It targets *Brettanomyces, Pichia,* and *S. cerevisiae* var. diastaticus, a major contaminant in beer. Mila AI-Optimized Technology enhances specificity and sensitivity, ensuring accurate identification and minimizing false positives. 4.4 Beer Yeast enables early detection of spoilage yeasts, safeguarding beer quality and consistency.

Targets

- *Brettanomyces bruxellensis*
- *Brettanomyces spp.*
- *Pichia spp.*
- *Saccharomyces cerevisiae var. diastaticus*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Beer industry: Rapid and precise detection of spoilage yeasts in beer.

Related products

- Nucleia™ 4 Bacteria, Yeast and Mold: Extraction kit for yeast and bacteria in beer, wine, water, and surface samples, providing high-quality genetic material for PCR analysis.

WORKFLOW

Sample	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
Sample collection TAAG Sample bags	Wort Media From 48 hours	Nucleia™ 4 Bacteria, Yeast and Mold 50 mins.	Ampliora™ 4.4 Yeast 103 mins.	TxA software	From 51 hours

Spoilage qPCR kits (Mila technology)

Ampliora™ 8.2 Bacteria Plus

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF99	SPID 24 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 8.2 Bacteria Plus is an advanced qPCR kit designed for the rapid and precise detection of spoilage bacteria in beer. It targets key species from Lactobacillus, Pediococcus, Megasphaera, and Pectinatus, which are known to impact beer quality. Powered by Mila AI-Optimized Technology, it ensures high sensitivity and specificity, minimizing false positives and delivering accurate results. Ampliora™ 8.2 Bacteria Plus enables early detection of spoilage bacteria, safeguarding beer quality and stability.

Targets

- *Fructilactobacillus lindneri*
- *Lactobacillus backii*
- *Lactobacillus collinoides/paracollinoides*
- *Lactobacillus group (Furfurilactobacillus rossiae, Lacticaseibacillus casei, Lacticaseibacillus paracasei, Lactiplantibacillus plantarum, Lentilactobacillus buchneri and Lentilactobacillus parabuchneri.)*
- *Levilactobacillus brevis*
- *Megasphaera spp.*
- *Pediococcus spp.*
- *Pectinatus spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Beer industry: Rapid and precise detection of spoilage yeasts in beer.

Related products

- Nucleia™ 4 Bacteria, Yeast and Mold: Extraction kit for yeast and bacteria in beer, wine, water, and surface samples, providing high-quality genetic material for PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	TAAG Sample bags	MRS broth From 48 hours.	Nucleia™ 4 Bacteria, Yeast and Mold 50 mins.	Ampliora™ 8.2 Bacteria Plus 103 mins.	TxA software	From 51 hours

Spoilage qPCR kits (Mila technology)

Ampliora™ 4.5 Bacteria

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF102	SPID 12 PCR strips 100 µL - 96 reactions
V-SF114	Tube format - 96 reactions

Product overview

Ampliora™ 4.5 Bacteria is an advanced qPCR kit designed for the rapid and precise detection of spoilage bacteria in beer. It targets key species from *Lactobacillus,* and *Pediococcus* which are known to impact beer quality. Powered by Mila AI-Optimized Technology, it ensures high sensitivity and specificity, minimizing false positives and delivering accurate results. Ampliora™ 4.5 Bacteria enables early detection of spoilage bacteria, safeguarding beer quality and stability.

Targets

- *Levilactobacillus brevis*
- *Fructilactobacillus lindneri*
- *Lactobacillus group (Furfurilactobacillus rossiae, Lacticaseibacillus casei, Lacticaseibacillus paracasei, Lactiplantibacillus plantarum, Lentilactobacillus buchneri and Lentilactobacillus parabuchneri.)*
- *Pediococcus spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Beer industry: Rapid and precise detection of spoilage yeasts in beer.

Related products

- Nucleia™ 4 Bacteria, Yeast and Mold: Extraction kit for yeast and bacteria in beer, wine, water, and surface samples, providing high-quality genetic material for PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Time to results
	TAAG Sample bags	MRS broth From 48 hours.	Nucleia™ 4 Bacteria, Yeast and Mold 50 mins.	Ampliora™ 4.5 Bacteria 103 mins.	From 51 hours

Spoilage qPCR kits (Mila technology)

Ampliora™ 4.6 Bacteria

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF103	12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 4.6 Bacteria is an advanced qPCR kit designed for the rapid and precise detection of spoilage bacteria in beer. It targets key species from *Lactobacillus, Megasphaera*, and *Pectinatus*, which are known to impact beer quality. Powered by Mila AI-Optimized Technology, it ensures high sensitivity and specificity, minimizing false positives and delivering accurate results. Ampliora 4.6 Bacteria enables early detection of spoilage bacteria, safeguarding beer quality and stability.

Targets

- *Lactobacillus backii*
- *Lactobacillus collinoides/paracollinoides*
- *Megasphaera spp.*
- *Pectinatus spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Beer industry: Rapid and precise detection of spoilage yeasts in beer.

Related products

- Nucleia™ 4 Bacteria, Yeast and Mold: Extraction kit for yeast and bacteria in beer, wine, water, and surface samples, providing high-quality genetic material for PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	TAAG Sample bags	MRS broth From 48 hours.	Nucleia™ 4 Bacteria, Yeast and Mold 50 mins.	Ampliora™ 4.6 Bacteria 103 mins.	TxA software	From 51 hours

Spoilage qPCR kits (Mila technology)

Ampliora™ 4.7 Spoilage Low-pH Microorganisms

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF155	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 4.7 Spoilage Low-pH Microorganisms is an advanced qPCR kit designed for the rapid and precise detection of spoilage microorganisms in beverages, including acidophilic bacteria, preservative-resistant yeasts, and spoilage yeast & Mold. These microorganisms can significantly affect the quality, flavor, and safety of beverages, making their early detection crucial for maintaining product integrity. Powered by Mila AI-Optimized Technology, it ensures high sensitivity and specificity, minimizing false positives and delivering accurate results. Ampliora™ 4.7 Spoilage Low-pH Microorganisms enables the efficient monitoring of spoilage microorganisms, ensuring high-quality beverages throughout the production process.

Targets

- *Acidophilic bacteria*
- *Brettanomyces spp.*
- *PRY(preservative-resistant yeasts)*
- *Spoilage yeast & Mold*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Beverage industry: Rapid and reliable testing for spoilage yeasts and bacteria across diverse beverage types.

Related products

- Magneus™ 3 Bacteria, Yeast & Mold: Advanced, magnetic, and automated DNA extraction solution for detecting microorganisms in carbonated beverages, juices, and isotonic drinks. The high-efficiency workflow ensures precise, reproducible PCR results, making it ideal for beverage industry quality control.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	Membrane filter, 0.45 µm cellulose	Potato Dextrose Broth From 48 hours	Magneus™ 3 Bacteria, Yeast & Mold 40 mins.	Ampliora™ 4.7 Spoilage Low-pH Microorganisms 120 mins.	TxA software	From 51 hours

Indicator qPCR kits (Mila technology)

Ampliora™ 6.1 WaterScan Plus

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF88	SPID 24 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 6.1 WaterScan Plus is an advanced qPCR kit designed for the rapid and precise detection of waterborne indicator microorganisms. These indicators are crucial for assessing water quality and ensuring safety, making their early detection essential for regulatory compliance and health risk management. Powered by Mila AI-Optimized Technology, it ensures high sensitivity and specificity, minimizing false positives and providing reliable results. Ampliora™ 6.1 WaterScan Plus enables early and accurate monitoring of waterborne indicators, safeguarding water quality and public health.

Targets

- *Citrobacter spp.*
- *Enterobacter spp.*
- *Enterococcus spp.*
- *Escherichia coli*
- *Escherichia spp.*
- *Klebsiella spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Water testing: Rapid and highly accurate monitoring of water quality.

Related products

- Nucleia™ 2 Tez-Q Plus: Efficient extraction kit for bacterial DNA, capturing PCR inhibitors, and providing high-quality samples ready for real-time PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	Membrane filter, 0.45 µm cellulose	BHI broth 8 hours	Nucleia™ 2 Tez-Q Plus 40 mins.	Ampliora™ 6.1 WaterScan Plus 120 mins.	TxA software	11 hours

Indicator qPCR kits (Mila technology)

Ampliora™ 3.11 WaterScan

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF98	SPID 12 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 3.11 WaterScan is an advanced qPCR kit designed for the rapid and precise detection of waterborne indicator microorganisms. These indicators are crucial for assessing water quality and ensuring safety, making their early detection essential for regulatory compliance and health risk management. Powered by Mila AI-Optimized Technology, it ensures high sensitivity and specificity, minimizing false positives and providing reliable results. Ampliora™ 3.11 WaterScan enables early and accurate monitoring of waterborne indicators, safeguarding water quality and public health.

Targets

- *Citrobacter spp.*
- *Escherichia coli*
- *Klebsiella spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Water testing: Rapid and highly accurate monitoring of water quality.

Related products

- Nucleia™ 2 Tez-Q Plus: Efficient extraction kit for bacterial DNA, capturing PCR inhibitors, and providing high-quality samples ready for real-time PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	Membrane filter, 0.45 µm cellulose	BHI broth 8 hours	Nucleia™ 2 Tez-Q Plus 40 mins.	Ampliora™ 3.11 WaterScan, 120 mins.	TxA software	11 hours

Indicator qPCR kits (Mila technology)

Ampliora™ 3.12 WaterScan

Download technical data sheet

ORDERING INFO

Catalog	Format
V-SF89	SPID 24 PCR strips 100 µL - 96 reactions

Product overview

Ampliora™ 3.12 WaterScan is an advanced qPCR kit designed for the rapid and precise detection of waterborne indicator microorganisms. These indicators are crucial for assessing water quality and ensuring safety, making their early detection essential for regulatory compliance and health risk management. Powered by Mila AI-Optimized Technology, it ensures high sensitivity and specificity, minimizing false positives and providing reliable results. Ampliora™ 3.12 WaterScan enables early and accurate monitoring of waterborne indicators, safeguarding water quality and public health.

Targets

- *Enterobacter spp.*
- *Enterococcus spp.*
- *Escherichia spp.*

Key features

- **AI-Optimized Performance:** Mila enhances PCR precision by selecting ideal primer/probe sets, ensuring unmatched sensitivity and specificity.
- **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.

Applications

- Water testing: Rapid and highly accurate monitoring of water quality.

Related products

- Nucleia™ 2 Tez-Q Plus: Efficient extraction kit for bacterial DNA, capturing PCR inhibitors, and providing high-quality samples ready for real-time PCR analysis.

WORKFLOW

Sample	Sample collection	Enrichment	DNA extraction	Real-time PCR	Data analysis	Time to results
	Membrane filter, 0.45 µm cellulose	BHI broth 8 hours	Nucleia™ 2 Tez-Q Plus 40 mins.	Ampliora™ 3.12 WaterScan, 120 mins.	TxA software	11 hours

TAAG

AMPLIORA CATALOG

Mila BASED PRODUCTS 2025