

INVISIBLE SENTINEL LABORATORY SERVICES



Ensure the safety of your products with rapid and robust contract microbial testing services

THE CHALLENGE

New regulations, harsh penalties, and brand-threatening recalls place substantial pressures on food manufacturers. The need for reliable and rapid microbial detection to monitor product quality is critical to protect your company's reputation. Invisible Sentinel Laboratory Services, conducted in our ISO 17025 and A2LA accredited lab, can streamline quality monitoring for food, and beverage processors across a wide range of products.

THE INVISIBLE SENTINEL ADVANTAGE

Our proprietary AOAC certified molecular testing methods have been adopted by dozens of global food and beverage processors to improve accuracy and drive down testing costs. The Veriflow system, using our proprietary DNA Signature Capturing Technology, allows for unsurpassed rapid turn-around time. Our Laboratory Services clients benefit from rapid, accurate, cost-effective, and actionable test results - to find issues early, take corrective action and prevent large-scale contamination.

ASSURANCE OF QUALITY

Our expertise in molecular science and detection technology, supported by a robust quality monitoring and audit process, assure that our clients receive accurate test results every time. Testing services are performed in our dedicated A2LA accredited lab, in which we adhere to strict operating procedures, technician training, equipment calibration, and environmental monitoring.

UNMATCHED SPECIFICITY & SENSITIVITY OF THE VERIFLOW PLATFORM

- Broad inclusivity with 100% detection rate demonstrated in AOAC validation, internal studies, and partner customer validation studies
- Correctly excludes non-applicable strains 6
- Target amplification of specific gene markers in each assay
- Robust detection in both simple and challenging matrices such as nutraceuticals, poultry carcass rinsates, nut butters, confectionary, juices, and beer and wine

MATRIX COMPATIBILITY

- Poultry & meats, carcass rinsates, broth, fats, MDM
- Nut butters

Wine

- Dairy products
- Fruits & vegetables
 - Beer, hard sodas, yeast slurries
- luice, soft drinks, ciders

Ready to Eat food products

- Spices
- Confectionary

Nutraceuticals

Facility environmental swabs

FOR CUSTOMERS MOVING TO **IN-HOUSE TESTING**

Veriflow is ideally suited for onsite implementation, with a modest capital investment and affordable per test cost.

- The system is easy to use and can be completed by existing staff with minimal training.
- Simple workflow, with less than 15 minutes of user hands-on time per sample.











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Invisible Sentinel's Scope of Accreditation extends to the following test methods and target analytics:

FOOD / BEVERAGE SAFETY AND QUALITY

Turn-around time:	NEXT DAY from sample receipt
Method:	Veriflow DNA Signature Capturing Technology
Sample size:	 25, 125, or 375 gram product samples Environmental swabs

FOOD SAFETY PORTFOLIO - PATHOGEN TESTING		
Assay	License	
Salmonella species	AOAC 011404	
Listeria monocytogenes	AOAC 051304	
Listeria species	AOAC 121302	
Campylobacter	AOAC 101201	
E.coli O157:H7	AOAC 121401	
Listeria confectionary	AOAC 051304	
Salmonella peanut butter	AOAC 011404	
Shiga toxin-producing Escherichia coli	AOAC 111601	
Salmonella spice	AOAC 011404	
Staphylococcus aureus	OMA #2003.07	

	WINE & BEER SPOIL	WINE & BEER SPOILAGE DETECTION PORTFOLIO		
	Assay	Target Organism		
	vinoBRETT	Brettanomyces bruxellensis		
	vinoPAL	Pediococcus and Lactobacillus		
	brewPAL	Pediococcus and Lactobacillus		
	brewDEK	Brettanomyces/ Dekkera species: B. bruxellensis, B. anomala, B. naardenensis, B. custersiana		
	brewBRUX	Brettanomyces/ Dekkera bruxellensis		
brewMAP		Megasphaera and Pectinatus		
	brewLAP	Pediococcus and Lactobacillus		
	Alicyclobacillus	A. acidoterrestris, A. acidiphilus, A. cycloheptanicus, A. herbarius		

GENERAL LABORATORY TESTS						
Туре	Target Organism	License/Reference Method	Turn Around			
Aerobic Plate Count	Aerobic bacteria	OMA #2015.13	2 days			
Yeast and Mold	Yeast and Mold colonies	OMA #2014.05	2 days			
Total Coliform	<i>E.coli</i> and <i>coliform</i> bacteria	OMA #991.14	2 days			
Total Enterobacteriacea	<i>Enterobacter</i> species	AOAC 030601	2 days			
Staphylococcus aureus	Staphylococcus aureus	OMA #2003.07	2 days			

CONFIRMATORY TESTING				
Target Organism	License/Reference Method	Turn Around		
Listeria species	BAM, Chapter 10; FSIS MLG 8.09	5 days		
Listeria monocytogenes	BAM, Chapter 10; FSIS MLG 8.09	5 days		
Salmonella species	BAM, Chapter 5; FSIS MLG 4.08 Table-B	5 days		
Campylobacter species	FSIS MLG 41.03	5 days		

Pricing available from your Invisible Sentinel representative. Volume discounts may apply.

Swabs and other sampling supplies are also available from Invisible Sentinel.

Local courier service (greater Philadelphia) available on request.







