



SOLUTIONS FOR MICROBIOLOGICAL TESTING IN FOOD SAFETY

MILK

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DRY SAMPLE COLLECTION SWABS

Collect possible microbial samples from food contact surfaces, equipment and the environment that may be contaminated in food production facilities to ensure effective cleaning and sanitation programs.

- Dry Rayon wrapped swab
- Sterile fibre
- Plastic applicator in dry tube



SCRUB SAMPLER

The Environmental Scrub Sampler with 10 ml Wide Spectrum Neutraliser is the first and only AOAC® Performance Tested Method Certified collection device.

- Scrub dot technology disrupts biofilm for enhanced sample collection
- Neutralises common sanitisers, including quats, high acid cleaners, and chlorine-based solutions
- Offers improved organism pick-up and recovery compared to cellulose sponges

SURFACE - PATHOGEN DETECTION

Surface testing swabs offer a comprehensive solution by combining precise swab testing with specialised culture media, resulting in conclusive outcomes.

- Tailored to swiftly detect a spectrum of pathogens by swabbing directly from surfaces
- Colour change in the culture media provides a clear qualitative indicator of contamination
- Enables prompt corrective action to address hygiene risks





COPAN SWAB RINSE KIT (SRK®)

A dependable solution for detecting environmental microbial contamination, ideal for routine surface monitoring across diverse settings.

- Provides effective sample collection from various surfaces
- Ensures sample preservation with isotonic solutions or enrichment broths like Letheen
- Screw cap design minimises contamination and spillage during transport
- Simplifies testing by offering pre-submerged samples in a ready-to-use diluent

POWDERTHIEF

This sterile, disposable PowderThief is ideal for taking representative samples from known locations within the bulk powder. These samplers are available in three convenient lengths and six sample volumes.

- Assembled & packed in a cleanroom
- Individually bagged
- Made from FDA and EU-conforming HDPE



GRAIN SPEAR

The spiral position of the pockets gives superior sampling results. The bottom pocket opens and fills first, giving a more representative sample. Suitable for larger powders, granule and grain sampling. The tip is fixed permanently and cannot be lost.

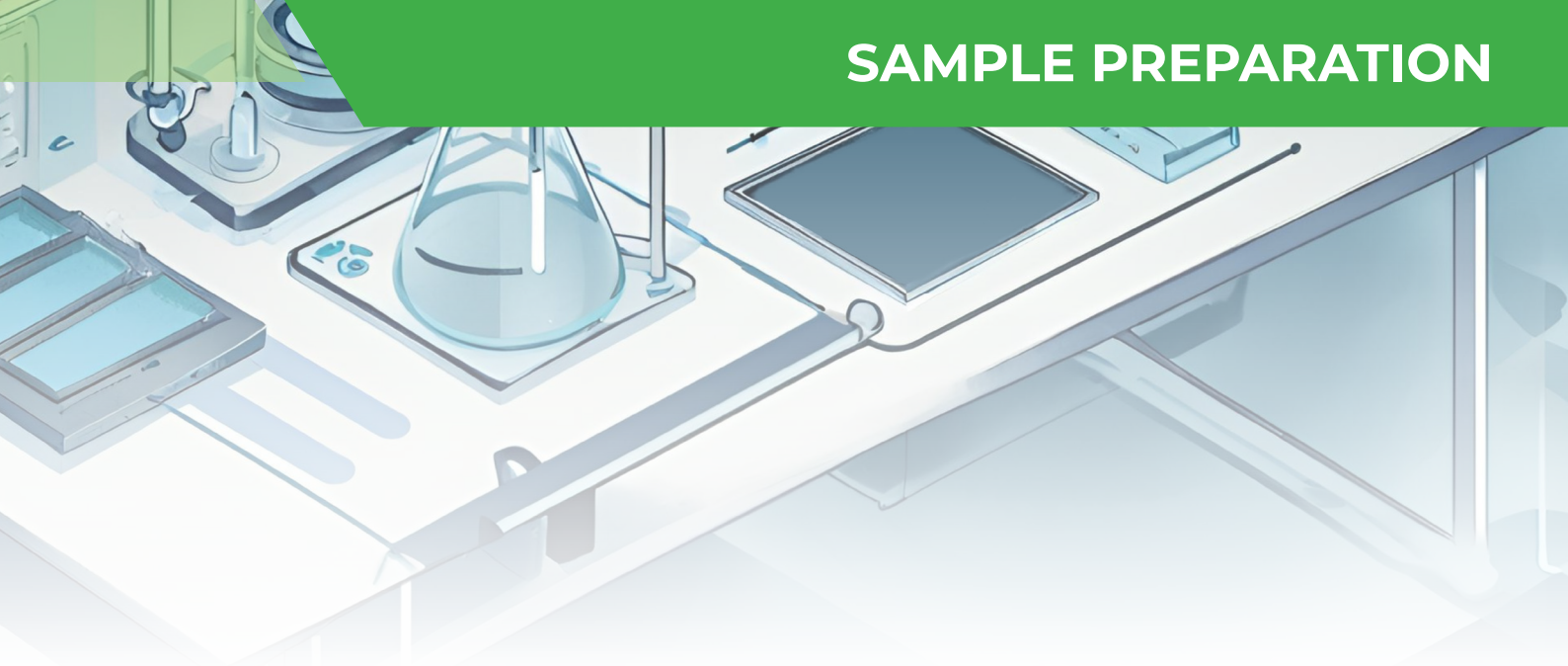
- Made from lightweight aluminium for easy operation and handling
- The sampler is manufactured so that it can be stripped and cleaned within seconds

LIQUITHIEF

The LiquiThief is ideal for sampling low viscosity liquids, suspensions and thin oils. Each sampler is individually bagged, and they are designed to be used straight from the bag.

- All the polymers are food grade, FDA grade and EC compliant, BSE / TSE free
- Batch certificates are available
- 3 lengths available in both sterile and non-sterile
- Available in both HDPE and PP construction
- Unique benefit: Special FDA grade silicone seal is used. This gives superior sampling action. It also prevents the sampler from dripping between use.





PRECISION BALANCE



Ensures intuitive operation with a clear menu and practical display layout. A variety of interfaces allow flexible communication options.

- Data integrity for reliable results
- User management for controlled access
- Formulation capabilities for accurate sample preparation
- Report exporting for streamlined documentation

PERISTALTIC PUMPS



This multifunctional, compact peristaltic pump provides a quick and accurate way of filling vessels with liquids. It can fill 9 ml in just one second; 18 ml in 3 seconds and, a total of 225 ml in 10 seconds, all with an accuracy of +/- 0.6 ml.

- Manual, automatic or footswitch operation
- Adjustable volumes between 0.1 ml to 9999 ml
- 20 customisable pre-installed programs

DILUTER

The Diluvel Up! is a fast, robust, and accurate gravimetric diluter that delivers the correct amount of diluent in just seconds.



- Dilutes solid samples with precise accuracy (>99 %) in seconds
- Patented vertical weighing system for greater stability and accuracy
- Adjustable feet and integrated spirit level for optimal performance
- Can accommodate up to 4 pumps for additional capacity

SAMPLE BAGS

Seward Stomacher® bags are engineered to deliver reliable, contamination-free sample preparation across microbiology, food safety, and life science applications.



- A perfect solution for ISO 14001 registered labs and those looking to implement sustainability practices
- Various autoclavable bag sizes (ranging from 5 ml to 3750 ml)

HOMOGENISERS – LAB BLENDERS

Our range of laboratory bag blenders allows for easy and effective processing of multiple food samples, without the risk of cross-contamination.

- Suitable for sample volumes from 250 µl to 4500 ml
- Programmable settings with digital controls for precision blending
- We offer the Mixwel Up!, a powerful, silent lab blender with a pendular mixing system for optimal sample homogenisation
- Adjustable paddles and ergonomic, compact design
- USB data export and LIMS integration for full traceability



MEDIA PREPARATORS

Optimise your media production with the Mediawel automatic media preparator, designed to deliver precise, sterile, and consistent results for every batch. These versatile instruments support capacities from 1 - 50 l, ensuring reliable productivity and traceability across all formulations.

- Precise temperature control with ± 0.5 °C accuracy inside the medium
- Continuous stirring for preparation and dispensing
- Multifunctional: steriliser, homogeniser, water bath, and traceability in one unit



PETRI DISHES

Ideal for laboratories, research and education. Reliable and durable.

- Stackable dishes
- Available in sterile and non-sterile options
- Vents for improved gas exchange
- Made from crystal polystyrene for optimal clarity



TRADITIONAL MICROBIOLOGICAL MEDIA

Neogen™ media and supplements are trusted for reliable bacterial culturing.

- 300 media, diluent, broth & supplements available
- Selection of media covers all organisms
- Available in various pack sizes: 500 g, 5 kg, 10 kg and 25 kg
- Compliance with global reference methods and standards across multiple industries

SAMPLE-READY PETRIFILM®

Streamline your microbiological testing with Petrifilm® Plates. These ready-to-use solutions enhance efficiency by eliminating the need for traditional agar preparation, saving time and resources in your laboratory.

- Prepared plates with nutrients and indicators for precise culturing
- AOAC/AFNOR validated for trusted performance





NBB® NUTRIENT MEDIA FOR BEVERAGE-SPOILING BACTERIA

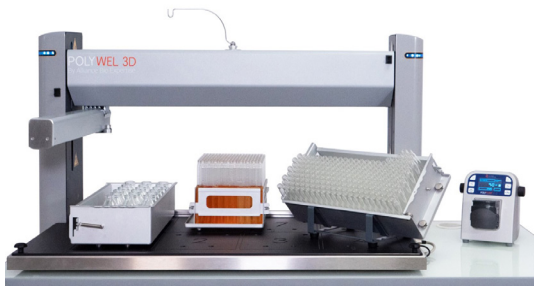
The NBB® portfolio comprises solid and liquid media to provide the ideal detection solution for all samples throughout the entire brewing process.

- Ready-to-use nutrient media
- Rapid growth through special growth promoters
- Incorporation of pH colour indicators
- Formats for all occurring sample matrices

PETRI DISH FILLER

Streamline plate preparation with the Distriwel automatic filling and stacking machine, capable of producing up to 440 plates in just 30 minutes. Designed for precision and reliability, it delivers consistent results every time.

- Integrated peristaltic pump guarantees accurate medium dispensing
- Built-in Peltier cooler prevents condensation and accelerates solidification
- Reduces contamination risks by limiting manual handling



TUBE FILLER

The POLYWEL 3D high-performance system for filling tubes and bottles with precision and efficiency, ideal for high-throughput microbiology workflows.

- High capacity: Fills up to 1000 tubes per hour
- Versatile Configurations: Supports 8 racks of 120 tubes or 4 racks of 250 tubes
- Precision Dispensing: Accuracy from 5 ml with ± 0.159 ml tolerance
- Adaptable Nozzle options: Supports various tube sizes (1 mm, 3 mm, 6 mm)
- Full Traceability: USB, ticket printer, and LIMS-compatible

FILTRATION MANIFOLDS

The filtration system can be used widely in the fields of chemical industry, biochemical pharmacy, environmental protection, food and beverage etc.

- Full package filtration systems available
- 1, 3 and 6 place manifold options
- Stainless steel or glass funnel options in various volumes
- Various column options for any filtration requirement





BIOLOGICAL SAFETY CABINETS

We have a range of biological safety cabinets which provide product, personal and environmental protection from pathogenic microorganisms and other infectious agents.

- EN 12469 and NSF49 certified options available
- LCD screen displays various parameters and real-time operational conditions
- Multiple audible and visual alarms
- Intelligent constant airflow velocity sensor
- HEPA and ULPA filter combinations
- Height-adjustable base stand and UV light available

LAMINAR FLOW BENCHES

We have a range of laminar flow benches to provide a sterile work environment to protect your sample from contamination.

- HEPA-filtered air for a particle-free working environment
- Available in both horizontal and vertical airflow configurations
- LCD for workstation performance
- UV lamp emission of 253.7 nm for the most efficient decontamination
- Bright and open working environment optimised by LED illumination
- Configurable options such as polypropylene work surfaces, outlets, service valves, and base stands available



CRYOPRESERVATION BEADS

Chemically treated and immersed in a specially designed cryo-solution, that prevents damage whilst frozen and facilitates the perfect conditions for long term storage of organisms.

- 80 tubes per box with 20 each of green, blue, red and yellow caps to aid categorisation
- 20 ceramic beads covered in a cryopreservative solution per tube



ANAEROBIC JARS

A dependable solution for detecting environmental microbial contamination, ideal for routine surface monitoring across diverse settings.

- Sturdy stainless-steel jars for simple culture of anaerobic and microaerophilic organisms
- Ideal for use with the Whitley AtmoGen Jar Gassing System or gas packs
- Available as 9 plate jar with a 3 l capacity or 48 plate jar with a 10 l capacity
- The lid is fitted with the unique Whitley Schrader® Valve System and carrier clips for Low Temperature Catalyst Sachets

WHITLEY INCUBATION BOX

A transparent, stackable anaerobic jar designed for isolating anaerobic and microaerobic organisms, as well as cell cultures.

- Fits Petri dishes and multi-well plates
- Nestable lids and bases for easy storage
- Creates various atmospheric conditions
- Space-saving rectangular design
- Durable and lightweight



WHITLEY ATMOGEN JAR GASSING SYSTEM

If you are still culturing your anaerobes using jars and gas packs, consider the environmental and monetary benefits of investing in the AtmoGen.



- The AtmoGen is used to generate multiple atmospheres (anaerobic, microaerobic and capnophilic) in gas jars in a rapid and cost-effective way
- Has a 7-inch full colour touchscreen
- Data logging (retains 90 days' worth of data)
- Optional catalyst checks to ensure an effective catalyst is in place
- Comes complete with one Whitley Incubation Box
- A single microaerobic cycle is completed in just 19 seconds, a single anaerobic cycle in just 1 minute 55 seconds (not including catalyst check), and a single capnophilic cycle in just 3 seconds
- New feature available to gas 3 jars simultaneously (with the same atmosphere)
- Can be used with almost any type of anaerobic jar (using an adaptor kit)

WHITLEY A20 ANAEROBIC WORKSTATION

A compact, efficient alternative to anaerobic jars that maintains optimal oxygen-free conditions while minimising gas use.

- Space-saving design with intuitive touch-screen controls
- Low gas consumption using anaerobic mixed gas and nitrogen
- Automatic commissioning cycle for streamlined workflows
- Optional features: anaerobic condition monitoring, catalyst tracking, and data download



WATERBATHS

Ideal for the temperature control of ointments, emulsions, samples, plates and nutrient solutions in the laboratory, as well as warm storage and calibration in the industrial segment.

- Digital
- Temperature range up to +95 °C
- Optional Peltier cooling unit available to achieve temperatures as low as 10 °C
- Optional shaking device available



WATER TESTING

Our wide range of instruments and reagents for water testing allows for both chemical and physical testing of water.

- Portable and benchtop photometers and spectrophotometers with preprogrammed test methods for water analysis supported by a wide range of reagents
- Electrochemistry meters for the determination of pH, conductivity and other key parameters for water quality testing
- Specialised equipment for Turbidity, Flocculation, Biological Oxygen Demand (BOD), Dissolved Oxygen (DO) and Colour determination are also available



WATER ACTIVITY METER

Take the guesswork out of food safety and shelf-life testing with the Steroglass AW Life Meter.

- Accurate and repeatable analysis in 5 minutes
- Dew point sensor
- Touch-screen graphic display



WATER PURIFICATION SYSTEMS

Efficient systems designed to produce pure water, ranging from reverse osmosis to ultrapure quality.

- Available in various models with differing flow rates and storage tank sizes
- Meets diverse pure water demands for laboratory and industrial use



TITRATORS

The compact and modular design of our automatic titrators together with their versatile programming ensures that they can be easily configured to suit the ever-changing needs in the lab. The capability of adding a 18 or 30 place autosampler coupled with full GLP compliance makes these titrators a simple solution for routine analyses in the quality control laboratory.

Key programs include:

- pH
- Acidity
- Salt (Chloride)
- Ascorbic acid
- Free and Total SO₂



REFRACTOMETER

Ideal for food and beverage production and quality control, ensuring fast, precise Brix readings around the clock.

- Full-colour touchscreen for simple operation
- Digital temperature-controlled measurements
- Flat prism design for effortless cleaning



INCUBATORS

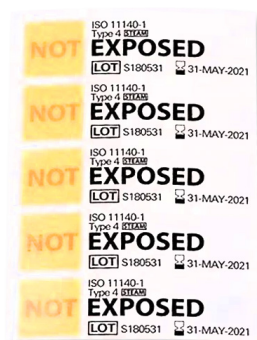
The Memmert incubators are perfect for all applications related to the Microbiological sector of the food safety testing industry.

- Compressor and Peltier cooled versions available for work-in-progress storage
- Can be programmed to heat and cool at any given time to ensure the analysis continues as prescribed while unattended
- Available as natural convection or forced air circulation
- TwinDisplay (PLUS) models include software that allows the user to set up ramping programs
- Perfect interaction of all-round heating with temperature control for optimal heat distribution even without a fan

STERILISATION MONITORING

Ensure effective sterilisation with reliable monitoring tools.

- Provides visual or scientific confirmation of sterilisation success
- Prevents contamination while ensuring regulatory compliance
- Options range from indicator strips and integrators to biological and chemical indicators



AUTOCLAVES

Engineered for efficient and dependable sterilisation, meeting the highest pressure equipment directives and standards for laboratory use.

- Available in benchtop and floor-standing models to suit your space
- User-friendly control panel with preset or customisable sterilisation cycles
- Delivers consistent performance across diverse laboratory applications

LACTOSCAN MILK ANALYSER

The Lactoscan milk analyser provides rapid, accurate analysis of milk and liquid dairy products, measuring fat, solid non-fats, density, protein, lactose, added water content, temperature, freezing point, and salts. It can be calibrated for specific samples, including yogurt, flavoured milk, and ice cream mixtures.

- Compliance: Meets ISO 13366-1:2008 (IDF 148-1:2008) standards
- Measuring Range: 2 to 30 μ m
- Output: Results are expressed as the number of cells per ml
- Speed: Results are available within 20 to 60 seconds, depending on the type of analysis
- These units may be used at farms and collection centres



Basic unit with plastic exterior

Basic unit with steel exterior and option of a carry case





MANUAL ACOLADE 2 COLONY COUNTER

This device is an ideal choice for microbiology laboratories looking for a cost-effective solution without compromising on quality.

- Illuminated receiver plate and LED display for accurate counting
- Audible count confirmation feature can be turned on or off according to user preference
- Adjustable pressure sensitivity to register a count to suit different users
- Sub-stage illumination for glare-free and optimum viewing conditions
- Switchable black background for enhanced visibility especially beneficial for identifying translucent or difficult-to-see colonies
- Supplied with two graticules and dish centring adapters, making it compatible with Petri dishes ranging from 50 mm to 90 mm



AUTOMATED PROTOCOL 3 COLONY COUNTER

Suit the needs of both high and low-volume food laboratories.

- Total plate counts
- Gridded filter paper – water samples
- Chromogenic media counts
- Pour plates
- Spiral plates
- Streak plates
- Species identification
- Large plates (up to 150 mm)
- Dilution series plates



PETRIFILM™ READER ADVANCED

Maximise lab productivity with the Petrifilm™ Reader Advanced, which enumerates 11 different Petrifilm™ plates in six seconds or less.

- Utilises onboard fixed artificial intelligence for accurate, fast results
- Streamlines the process by imaging and enumerating plates post-incubation
- Boosts productivity by reducing manual testing time

RESULT INTERPRETATION MICROSCOPES

Our extensive range of optical microscopes and cameras meets diverse application needs across multiple disciplines.

- Compound and stereo microscope options
- Binocular or trinocular head configurations
- Infinite plan objectives with LED illumination
- Fluorescence, darkfield and phase contrast options
- Various camera options available for image analysis



AMPLIFICATION AND DETECTION KITS (qPCR)

We offer end-point and real-time PCR solutions, including amplification kits with primers, probes, and master mix for detecting animal pathogens and contaminants in food and water testing.



PURIFICATION AND EXTRACTION

Our purification kits deliver rapid, high-quality DNA preparation from various starting materials, suitable for any downstream application.

- Reliable, inhibitor-free DNA extraction
- High sensitivity for low-concentration or degraded samples
- Convenient spin-column formats and magnetic beads
- Fast preparation in under 30 minutes
- Easy, standardised protocols compatible with most extraction systems



NEOGEN MOLECULAR DETECTION SYSTEM

Save time and labour costs with ready-to-use reagents, a single protocol for all pathogens and same- or next-day results.

- Simplified workflow with only 2 transfer steps
- Up to 96 samples in each run
- LAMP technology provides more control at each step
- Third-party validations by AOAC®, AFNOR, FDA and USDA





AIR SAMPLER

Airwel® is a lightweight and ergonomic device offering reliable performance for fast, efficient air sampling.

- Sample at 100 l/min or 200 l/min onto 90 mm Petri dishes or contact plate
- Built-in Bluetooth for easy data transfer to computers or smartphones

HANDHELD BACTERIA & BIOFILM SCANNERS

Bactiscan™, BactiscanPRO™, and Bactiscope™ are user-friendly handheld devices that detect bacteria and biofilm using wave-alternating UV light technology.

- Quickly identify contamination on surfaces and within hard-to-reach pipework
- Ideal as a precursor to ATP swab testing, improving testing efficiency



CLEAN-TRACE® HYGIENE MONITORING SYSTEM

These tools offer an efficient, real-time solution for monitoring cleanliness and detecting contamination on surfaces and in rinse water.

- Accurately detects ATP on surfaces and in water to assess cleanliness
- Delivers rapid results for quick decision-making
- Durable and robust – ideal for manufacturing environments
- Provides reliable results with minimal training
- Seamlessly integrates into HACCP programmes for immediate corrective action





AGRASTRIP® PRO

Allergen Lateral Flow Devices

AgraStrip® Pro Allergen LFD kits are immunochromatographic rapid tests designed for the on-site, qualitative detection of allergen traces in foodstuffs, rinse waters, and environmental swabs.

- Highly specific and sensitive results at low cut-off levels
- Fast results – 11 minutes including extraction
- Suitable for on-site testing outside the traditional lab space
- Transported and stored at room temperature



AGRAQUANT® PLUS

Allergen ELISA Test Kits

AgraQuant® Plus Allergen Test kits are designed to simplify and optimise the extraction process for ELISA-based analysis of allergens in food, environmental samples, and rinse waters.

- Unique extraction capsules optimise your workflow by reducing human error and eliminating the need for costly training
- Fast: 1-minute extraction time and 30-minute assay time
- Analyse the same sample extract for several allergens
- 12 month shelf-life from date of manufacture
- Transport and store at 2 °C - 8 °C



RAPID VISUAL DETECTION OF PROTEIN RESIDUES FOR ALLERGEN CONTROL

Clean-Trace™ ALLTEC60 Surface Protein Swabs offer a fast, user-friendly method to visually assess the effectiveness of cleaning processes by detecting protein residues on surfaces.

- No instrumentation needed – purely visual colour interpretation
- Supports HACCP – ideal for routine hygiene verification and staff training





AGRASTRIP® QUALITATIVE TEST KITS FOR TOTAL AFLATOXINS (B1, B2, G1, G2)

Determine the presence of total aflatoxin in grains, corn, peanuts, and more. The qualitative test strips analyse total aflatoxin at three cut off levels, namely 4 ppb, 10 ppb and 20 ppb. The cut off levels allow for an easy visual interpretation of the results after 5 minutes of assay time.



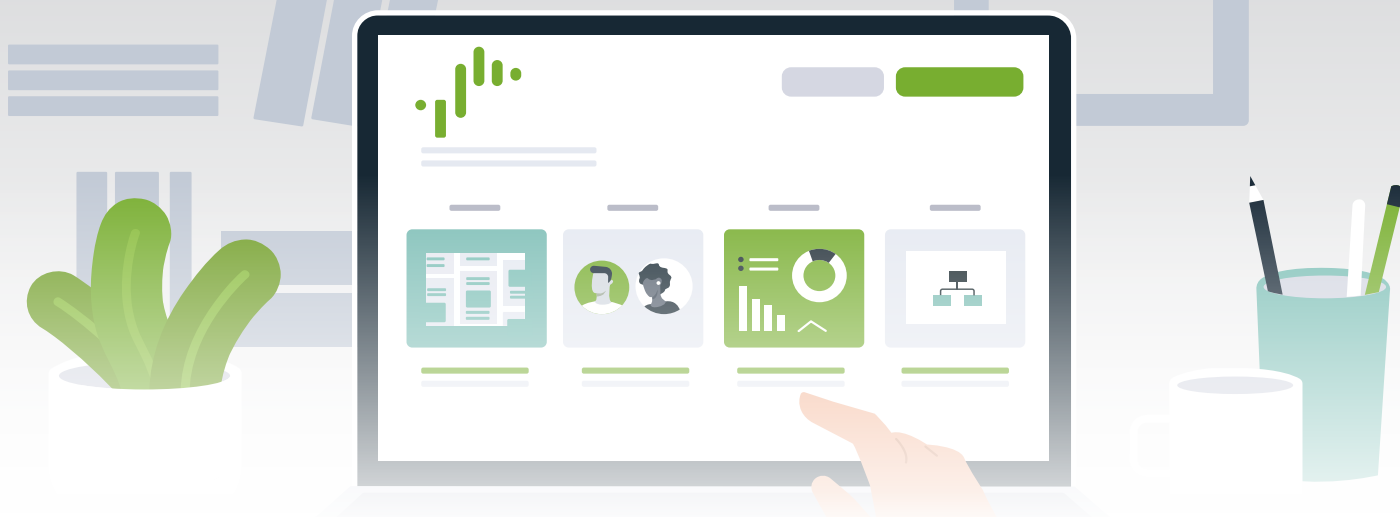
AGRASTRIP® PRO WATEX® WITH THE AGRAVISION™ PRO READER

Lateral flow devices for the rapid, on-site quantification of mycotoxins in a variety of agricultural commodities. Strips are available for total aflatoxins (B1, B2, G1, G2), deoxynivalenol, ochratoxin A, zearalenone, total fumonisins (B1, B2, B3), and T-2/HT-2 toxins.



MYCOTOXIN ELISA TEST KITS

AgraQuant® Mycotoxin Test kits are rapid, quantitative enzyme-linked immunosorbent assays (ELISA) for analysing mycotoxins in grains, nuts, cereals and other commodities, including animal feeds.



LABVANTAGE® LIMS: DESIGNED FOR FOOD SAFETY & CONTRACT TESTING LABORATORIES



LabVantage® LIMS is a powerful, web-based Laboratory Information Management System purpose-built to streamline operations in Food & Beverage and Contract Testing laboratories. Trusted globally by food producers, contract laboratories, and regulatory authorities, LabVantage® helps labs meet rising industry demands - from stringent regulatory, quality and data integrity requirements to boosting turnaround times and improving access and transparency - with a system that's proven, scalable, and secure.

A Complete Informatics Ecosystem

- Embedded ELN1, LES2 & SDMS3
- Consumables & Inventory Management
- Instrument Calibration & Maintenance Scheduling
- Environmental Monitoring & Sample Management
- Client & Partner Web Portal
- Dashboards, KPIs & Flexible Reporting
- AI-Powered Analytics*
- Mobile & IoT4 Integration*

* Available as optional modules

Deployable as an on-premise or a fully managed SaaS Solution.

Pre-Configured for Faster Implementation

LabVantage® offers industry-specific accelerators for Food & Beverage and Contract Testing labs, ensuring fast deployment, reduced validation time, and alignment with industry best practices.

Key Benefits for Food & Contract Labs

- **End-to-End Sample Traceability**
Track every sample from receipt to final report with full audit trail and barcode-enabled workflows
- **Built-in Regulatory Compliance**
Designed to support ISO 17025, FDA, HACCP, and other global food safety standards
- **Workflow Automation & Productivity**
Automate test scheduling, calculations, approvals, and more - minimising manual effort and errors
- **Real-Time Access to Lab Data**
Provide stakeholders with secure, real-time access to results, trends, and performance indicators
- **Integrated Quality Control**
Manage QC samples, control charts, and OOS/OOT workflows to ensure data accuracy
- **Custom Reports & Insights**
Deliver clear, tailored reports and gain powerful insights from trend analysis and dashboards



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