



ACCURACY  
THROUGH  
INNOVATION



**15** YEARS  
of Innovation

**PRODUCT CATALOG**  
R&D, IN VITRO DIAGNOSTICS FOR FOOD SAFETY

# PROGNOSIS BIOTECH

## AT A GLANCE



14 subsidiaries



Exports in 90+ countries



Over 115 distributors worldwide



14.400 hours of employee training annually



2 production units



25% of Turnover Invested in R&D



200+ innovative products



Leading with Diversity: A 58% Female,  
42% Male Workforce



140 employees



90% of Our Employees Are Degree Holders

## GLOBAL DIAGNOSTICS. PROVEN ACCURACY. CONTINUOUS INNOVATION.

ProGnosis Biotech SA is an innovative biotechnology company based in Greece, dedicated to the development and manufacture of advanced in vitro testing technologies for demanding laboratory applications worldwide.

Serving professionals across food safety, hygiene monitoring and clinical diagnostics, ProGnosis Biotech delivers solutions that combine scientific precision, practical usability and dependable performance. With a strong export orientation and an extensive international distributor network, the company supplies ELISA kits and LATERAL FLOW tests to more than 70 countries worldwide.

Operating in a challenging and constantly evolving diagnostics environment, ProGnosis Biotech has established a strong international presence by providing reliable technologies that support accurate analysis, quality control and confident decision-making.

Innovation is central to the company's identity. ProGnosis Biotech continuously invests in research and development, allocating more than 15% of annual earnings to R&D in order to improve existing technologies, expand its portfolio and respond effectively to the changing needs of the market.

## ACCURACY THROUGH INNOVATION

Modern laboratories operate under intense pressure. High workloads, strict time constraints and the need for decisive results leave no room for uncertainty.

ProGnosis Biotech understands these challenges and develops immunological tests that are easy to use, reliable, accurate and efficient. From food and beverage quality control to hygiene verification and clinical laboratory testing, the company's solutions are designed to simplify workflows while maintaining consistent analytical performance.

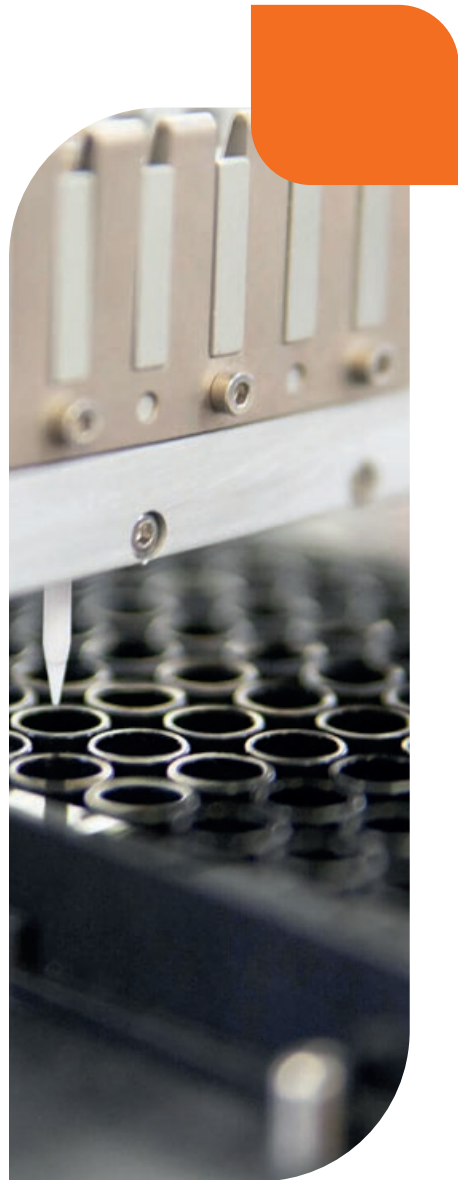
Accuracy is achieved through carefully engineered product workflows, advanced technology, strict quality management and a continuous commitment to innovation. Every product is developed with the laboratory user in mind: clear procedures, dependable performance and results that support confident action.

## ANCIENT WISDOM, MODERN SOLUTIONS THE PROGNOSIS APPROACH



The word "Prognosis" has its roots in ancient Greek, combining "pro" (meaning before) and "gnosis" (meaning knowledge). In essence, it represents the ability to predict outcomes by expertly analyzing the facts. Hippocrates famously employed the term to forecast the course of a disease.

ProGnosis Biotech continues this legacy, applying its advanced expertise to deliver insightful analysis through cutting-edge solutions. By enabling informed decision-making, the company helps manufacturing companies and communities stay ahead of potential risks, ensuring safety and compliance at every operational stage for a healthier, safer tomorrow.



## COMMITTED TO HIGH QUALITY STANDARDS

Quality is embedded in every stage of ProGnosis Biotech's operations, from research and product development to manufacturing, customer support and continuous improvement. The company's Total Quality Management system is designed to meet internal standards, fulfil regulatory requirements and exceed customer expectations.

ProGnosis Biotech SA operates in accordance with Good Manufacturing Practices and internationally recognised quality standards. The company is certified according to ISO 9001:2015 for the development, manufacturing and marketing of diagnostic and laboratory products, ISO 13485 for the design, development, production, installation and servicing of medical devices, and ISO 37001 for anti-bribery management systems.

The company's commitment to product performance is further demonstrated through validations by external institutes, including ILVO validation. To ensure consistent product quality and analytical reliability, ProGnosis Biotech also participates monthly in international proficiency testing schemes organised by Fapas in the United Kingdom and BIPEA in France.

Built on innovation, quality and scientific precision, ProGnosis Biotech SA delivers trusted testing technologies for laboratories and professionals around the world.

## INNOVATING FOR A SUSTAINABLE AND SAFE FUTURE



At ProGnosis Biotech, our mission is to create a safer, healthier world for future generations. Through innovative, tailored solutions we address the diverse demands of the food industry. We believe that responsible food safety practices go beyond product offerings - they require a holistic approach that benefits both society and the environment. Our advanced technologies empower stakeholders across the supply chain to meet the highest safety standards, reduce risks, and promote sustainability.

We pride ourselves on providing customized solutions to address our customers' specific challenges. By offering tailored products and services, we help ensure that each solution fits seamlessly into our clients' unique operational environments. Beyond delivering reliable diagnostic tools, we enhance the value of these solutions by offering hands-on technical training and ongoing support. This partnership-driven approach strengthens relationships and fosters a collaborative effort toward continuous improvement and compliance.

Our commitment to research and development fuels the creation of innovative technologies that address every stage of the supply chain, from field to shelf. By offering precision diagnostics paired with comprehensive support, we empower our customers to build trust and ensure safety throughout their operations. This holistic approach ultimately benefits society by providing consumers with safer, high-quality end products.

At ProGnosis Biotech, we proudly champion a comprehensive approach to food safety and sustainability. Our mission safeguards consumers today while fostering a future where innovation, collaboration, and accountability shape a more resilient and environmentally conscious world.



# LATERAL FLOW



## LATERAL FLOW | GMO

### GMO DETECTION | CP4 EPSPS

Many countries implement stringent regulations regarding the cultivation, sale, and labeling of genetically modified (GM) crops. CP4 EPSPS (5-enolpyruvylshikimate-3-phosphate synthase) derived from *Agrobacterium tumefaciens* strain CP4 is a key enzyme commonly found in GMOs and serves as a reliable genetic marker for identifying genetic modification.

ProGnosis Biotech Rapid Test CP4 EPSPS provides a fast and accurate solution for distinguishing between GMO and non-GMO samples. Utilizing advanced lateral flow technology, the test delivers quantifiable results in just 5 minutes, enabling users to quickly assess the percentage of CP4 EPSPS present in their samples.



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PRODUCT SERIES VIDEO



| Product Name         | Product Code | LOQ   | Quantification Range | Duration |
|----------------------|--------------|-------|----------------------|----------|
| Rapid Test CP4 EPSPS | R2130/60     | 0.05% | 0-2 %                | 5 min    |



ANTIBIOTICS - MYCOTOXINS



QUANTUM READ  
A BINARY ANSWER IN THE SHORTEST POSSIBLE TIME

Quantum Series involves preparing a Quantum read, which is a method that exploits the properties of quantification mechanics of lateral flow, in order to obtain a binary answer in the shortest possible time.

It reads through different timelines and resembles the logic of the superposition of two states of quantum mechanics. It comes in a cassette format and the outcome of the measurement, positive or negative, depends on the probability distribution of the states in different time readings of the chemical reaction.

QUANTUM TESTS CAN BE READ EASILY ON THE GO WITH OUR MOBILE APP!  
QUANTIFICATION IS MOVING OUTSIDE THE LAB.

FROM FARM TO CLOUD



QUANTUM AFLATOXIN M1 & M1 1000  
for the detection of Aflatoxin M1 in milk, with no incubation needed.

| Product Name    | Product Code | Negative Results in | Quantitative Results in |
|-----------------|--------------|---------------------|-------------------------|
| Quantum M1      | W3130/60     | 7 min               | 14 min                  |
| Quantum M1 1000 | W3230/60     | 2 min               | 5 min                   |





QUANTUM ANTIBIOTICS

for the detection of  $\beta$ -Lactams, including Cefalexin & Ceftiofur, Tetracyclines, Sulfonamides, Quinolones, Streptomycin, Aminoglycosides and Chloramphenicol in cow, sheep and goat milk.

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| Product Name                       | Product Code | Negative Results in | Final Results in |
|------------------------------------|--------------|---------------------|------------------|
| Quantum BT-Cef ILVO   LILC   PIWET | W1030/60/120 | 90 sec              | 5 min            |
| Quantum BT-S ILVO   PIWET          | W1130/60/120 | 90 sec              | 5 min            |
| Quantum BT-SQ ILVO                 | W1230/60/120 | 2 min               | 5 min            |
| Quantum BT-SC                      | W1330/60/120 | 2 min               | 5 min            |
| Quantum BL ILVO                    | W1430/60/120 | 60 sec              | 2 min            |
| Quantum BT-CC ILVO   PIWET         | W1530/60/120 | 2 min               | 5 min            |
| Quantum AMINO                      | W1630/120    | 2 min               | 5 min            |



QUANTUM BT-CEF, BT-S, BT-SQ, BL & BT-CC  
RECEIVED THE ILVO VALIDATION



LABORATORIO  
INTERPROFESIONAL  
LECHERO DE  
CANTABRIA



PAŃSTWOWY  
INSTYTUT  
WETERYNARYJNY

QUANTUM MYCOTOXINS

designed to quantify Mycotoxins at very low concentrations in grains, cereals and nuts.

| Product Name                  | Product Code | Negative Results in | Quantitative Results in |
|-------------------------------|--------------|---------------------|-------------------------|
| Quantum Don W.E. USDA         | G4118/40     | 30 sec              | 90 sec                  |
| Quantum Don Green USDA        | G4018/40     | 45 sec              | 2 min                   |
| Quantum Fumonisin Green USDA  | G7018/40     | 45 sec              | 2 min                   |
| Quantum Ochratoxin Green USDA | G6018/40     | 2 min               | 4 min                   |
| Quantum Zon Green USDA        | G5018/40     | 2 min               | 4 min                   |
| Quantum Total Green USDA      | G3418/40     | 2 min               | 4 min                   |
| Quantum T2-HT2 Green          | G8018/40     | 2 min               | 4 min                   |

GREEN COMMON  
EXTRACTION  
FOR ALL MYCOTOXINS



QUANTUM DON W.E., DON GREEN, FUMONISIN GREEN, OCHRATOXIN GREEN,  
ZON GREEN & TOTAL GREEN IS APPROVED BY USDA



# SYMMETRIC

LATERAL FLOW | MYCOTOXINS | ANTIBIOTICS

SYMMETRIC TECHNOLOGY  
TRANSFORMS A SCREENING TOOL INTO A CONFIRMATORY METHOD

Symmetric Technology emerges from a comprehensive four-year R&D initiative aimed at advancing lateral flow testing. Products developed under this technology are distinguished by their precision and accuracy, consistently providing high sensitivity and stability. Initially developed for mycotoxin detection, the scope of Symmetric Technology has expanded to include antibiotics, making a significant breakthrough in elevating lateral flow tests from simple screening tools to reliable, confirmatory methods.

**ILVO** SYMMETRIC M1, SYMMETRIC B+T & SYMMETRIC BTS  
RECEIVED THE ILVO VALIDATION

Flanders Research Institute for Agriculture, Fisheries and Food



| Product Name             | Product Code | LOQ    | Quantification Range | Duration |
|--------------------------|--------------|--------|----------------------|----------|
| Symmetric M1 <b>ILVO</b> | S2148/96     | 8 ppt  | 8-150 ppt            | 10 min   |
| Symmetric M1 1000        | S2448/96     | 70 ppt | 70 -1000 ppt         | 3 min    |
| Symmetric M1 400         | S2548/96     | 12 ppt | 12-400 ppt           | 10 min   |
| Symmetric M1 BF          | S2648/96     | 5 ppt  | 5-100 ppt            | 10 min   |

**SYMMETRIC ANTIBIOTICS**  
for the detection of  $\beta$ -Lactams, Tetracyclines, Sulfonamides, Florfenicol, Streptomycin & Chloramphenicol in milk, and Tetracyclines in honey.

| Product Name                             | Product Code | Duration |
|------------------------------------------|--------------|----------|
| Symmetric B+T <b>ILVO   LILC   PIWET</b> | S1048/96     | 5 min    |
| Symmetric BTS <b>ILVO</b>                | S1248/96     | 5 min    |
| Symmetric BTSC (RU MRLs)                 | S1448/96     | 10 min   |
| Symmetric Tetracyclines in Honey         | S0124        | 10 min   |
| Symmetric Florfenicol                    | S1548/96     | 5 min    |



**ILVO**  
FLANDERS RESEARCH  
INSTITUTE FOR  
AGRICULTURE,  
FISHERIES AND FOOD

LABORATORIO  
INTERPROFESIONAL  
LECHERO DE  
CANTABRIA

PAŃSTWOWY  
INSTYTUT  
WETERYNARYJNY

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**SYMMETRIC EXTRA SENSITIVE**  
**1 ORGANIC EXTRACTION & PROTOCOL FOR ALL**  
designed to quantify Mycotoxins at very low concentrations in grains, cereals, nuts and coffee.

| Product Name                | Product Code | LOQ      | Quantification Range | Duration |
|-----------------------------|--------------|----------|----------------------|----------|
| Symmetric B1 ES             | S3124/48     | 0.70 ppb | 0.70 - 20 ppb        | 10 min   |
| Symmetric Total ES          | S3224/48     | 0.35 ppb | 0.35 -10 ppb         | 10 min   |
| Symmetric Ochratoxin Coffee | S6324/48     | 0.90 ppb | 0.90 - 20 ppb        | 10 min   |
| Symmetric Ochratoxin ES     | S6424/48     | 0.70 ppb | 0.7– 20 ppb          | 10 min   |
| Symmetric T-2/HT-2 ES       | S8124/48     | 20 ppb   | 20– 400 ppb          | 10 min   |
| Symmetric ZON ES            | S5124/48     | 20 ppb   | 20– 500 ppb          | 10 min   |



# SYMMETRIC GREEN SERIES

## ONE GREEN EXTRACTION

Symmetric Green is an advanced Lateral Flow test series for the precise, quantitative detection of major mycotoxins, including Aflatoxins B1, B2, G1, G2, Deoxynivalenol, Zearalenone, Ochratoxin, Fumonisin, T-2/HT-2. This series is suitable for a variety of matrices, such as grains, nuts, cereals and other commodities including animal feed.

**THE SYMMETRIC GREEN SERIES UTILIZES AN AQUEOUS BUFFER FOR THE EXTRACTION STEP, WHILE ALSO PROVIDING A SIGNIFICANT ADVANTAGE TO USERS, BY ENABLING A SINGLE EXTRACTION METHOD TO BE APPLIED ACROSS ALL MYCOTOXINS.**

This aqueous extraction method not only enhances efficiency but also aligns with ProGnosis Biotech’s dedication to sustainability. By eliminating the need for organic solvents (such as methanol), the SYMMETRIC Green Series reduces environmental impact and minimizes the health risks posed by frequent exposure to hazardous chemicals in the laboratory.

## Aqueous Extraction

| Product Name               | Product Code | LOQ     | Quantification Range | Duration |
|----------------------------|--------------|---------|----------------------|----------|
| Symmetric B1 Green         | S3724/48     | 1.3 ppb | 1.3-30 ppb           | 3 min    |
| Symmetric Total Green 0-30 | S3424/48     | 1.3 ppb | 1.3-30 ppb           | 3 min    |
| Symmetric DON Green        | S4024/48     | 150 ppb | 150-5000 ppb         | 3 min    |
| Symmetric Ochratoxin Green | S6024/48     | 1 ppb   | 1-20 ppb             | 3 min    |
| Symmetric ZON Green        | S5024/48     | 35 ppb  | 35-800 ppb           | 3 min    |
| Symmetric Fumonisin Green  | S7024/48     | 150 ppb | 150-4000 ppb         | 3 min    |
| Symmetric T-2/HT-2 Green   | S8024/48     | 25 ppb  | 25-300 ppb           | 3 min    |

| Product Name              | Product Code | LOQ      | Quantification Range | Duration |
|---------------------------|--------------|----------|----------------------|----------|
| Symmetric Ochratoxin Wine | S6224/48     | 0.35 ppb | 0.35 - 5 ppb         | 5 min    |



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PRODUCT SERIES VIDEO





# LATERAL FLOW | ALLERGEN

Food allergies and hypersensitivities impact millions globally, with symptoms ranging from mild to life-threatening. To protect consumers, regulatory bodies enforce strict allergen testing guidelines for food manufacturers.

The Allergen Free series provides fast and accurate detection of various allergenic proteins using a common green extraction buffer, offering both efficiency and environmental benefits. This sustainable approach aligns with Prognosis Biotech's ESG values, reducing the reliance on harmful chemicals and promoting greener practices.

Featuring a consistent protocol across all allergens and a hook line to prevent false negatives, these user-friendly lateral flow tests in a cassette format deliver reliable results while minimizing cross-contamination risks.

# COMMON GREEN EXTRACTION & PROTOCOL FOR ALL ALLERGENS

QUANTITATIVE RESULTS



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PRODUCT SERIES VIDEO



| Product Name              | Product Code | LOD        | Quantification Range | Duration |
|---------------------------|--------------|------------|----------------------|----------|
| Almond Free Test          | E1010/30     | 0.5 ppm    | 1-64 ppm             | 5 min    |
| Hazelnut Free Test        | E1110/30     | 1 ppm      | 2-128 ppm            | 5 min    |
| Peanut Free Test          | E1210/30     | 1 ppm      | 2-128 ppm            | 5 min    |
| Walnut Free Test          | E1410/30     | 3 ppm      | 5-256 ppm            | 5 min    |
| Egg Free Test             | E1510/30     | 1 ppm      | 2-64 ppm             | 5 min    |
| Pistachio Free Test       | E1610/30     | 2 ppm      | 4-128 ppm            | 5 min    |
| Cashew Free Test          | E1710/30     | 0.5 ppm    | 1-64 ppm             | 5 min    |
| Pecan Free Test           | E1810/30     | 2 ppm      | 4-128 ppm            | 5 min    |
| Soy Free Test             | E1310/30     | 0.5 ppm    | 1-25 ppm             | 5 min    |
| Gluten Free Test          | E1910/30     | 1.5 ppm    | 3-100 ppm            | 5 min    |
| Lupin Free Test           | E2310/30     | 0.5 ppm    | 1-32 ppm             | 5 min    |
| Brazil Nut Free Test      | E2010/30     | 2 ppm      | 3-128 ppm            | 5 min    |
| Mustard Free Test         | E2110/30     | 1 ppm      | 2-128 ppm            | 5 min    |
| Crustaceans Free Test     | E2910/30     | 2 ppm      | 3-150 ppm            | 5 min    |
| BLG Free Test             | E2710/30     | 0.05 ppm   | 0.1-4 ppm            | 5 min    |
| Casein Free Test          | E2210/30     | 3 ppm      | 5-128 ppm            | 5 min    |
| Total Milk Free Test      | E2810/30     | 2 ppm      | 4-150 ppm            | 5 min    |
| Sesame Free Test          | E2410/30     | 2 ppm      | 2-64 ppm             | 5 min    |
| Macadamia Free Test       | E2510/30     | 1 ppm      | 2-128 ppm            | 5 min    |
| Coconut Free Test         | E2610/30     | 3 ppm      | 6-100 ppm            | 5 min    |
| Fish Free Test            | E3310/30     | 0.25 ppm   | 0.5-16 ppm           | 5 min    |
| Multi Tree Nuts Free Test | E3210/30     | 0.3-12 ppm | -                    | 5 min    |

# RAPID TEST



## THE ONLY QUANTITATIVE LATERAL FLOW TESTS FOR MILK ADULTERATION

THESE RAPID TESTS CAN QUANTIFY AS LOW AS 0.1 %  
AND AS HIGH AS 25% ADULTERATION IN 3-5 MINUTES



| Product Name       | Product Code | LOD   | Quantification Range | Duration |
|--------------------|--------------|-------|----------------------|----------|
| Rapid Test Cow     | Q1230/120    | 0.05% | 0.1-2 %              | 3 min    |
| Rapid Test Goat    | Q1130/120    | 0.05% | 0.1-2 %              | 3 min    |
| Rapid Test Cow 25  | Q1740/80     | 0.6%  | 1-25 %               | 5 min    |
| Rapid Test Goat 25 | Q1640/80     | 0.8%  | 1-25 %               | 5 min    |
| Rapid Test Buffalo | Q1530/60     | 0.05% | 0.1-2 %              | 5 min    |

## LATERAL FLOW | MILK ADULTERATION

Higher-priced, limited-availability milk is often vulnerable to fraudulent adulteration by being mixed with lower-cost milk from other dairy animals. This practice compromises product quality and presents significant health risks, including allergic reactions.

ProGnosis Biotech provides the first and only quantitative lateral flow test specifically developed to detect milk adulteration. With exceptional sensitivity, our test can identify adulteration levels as low as 0.1%, making it an ideal solution for dairy farms and industries committed to ensuring product purity, protecting brand integrity and safeguarding consumer health.

VISUAL AND INSTRUMENTAL RESULTS  
NO FALSE POSITIVES OR NEGATIVES  
HIGHLY SELECTIVE ANTIBODIES  
NO SAMPLE PREPARATION

ALL CONSUMABLES INCLUDED  
SHELF LIFE: 12 MONTHS  
STORAGE 4-25°C

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ELISA  
MYCOTOXINS



# AFLATOXIN M1

Aflatoxins, toxic metabolites produced by *Aspergillus* species, pose serious risks to the dairy industry due to their immunosuppressive, mutagenic, teratogenic, and carcinogenic effects. When animals ingest contaminated feed, aflatoxins are transformed into Aflatoxin M1 (AFM1) and excreted into milk, which is then used for human consumption. AFM1 in milk and dairy products presents health risks, leading the EU to set stringent limits of 0.05 µg/kg (50 ppt) and 0.025 µg/kg (25 ppt) for infant food.

ELISA testing is a reliable method for detecting Aflatoxin M1 in milk and dairy products, providing a sensitive and cost-effective solution for screening and quantifying AFM1 levels. Our Bio-shield products specifically created for Aflatoxin M1 detection accurately quantify its concentration in milk, ensuring compliance with regulatory limits in each region.



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| Product Name                       | Product Code | LOQ     | Quantification Range | Duration |
|------------------------------------|--------------|---------|----------------------|----------|
| Bio-Shield M1 ES <span>ILVO</span> | B2048/96/192 | 5 ppt   | 5-250 ppt            | 75 min   |
| Bio-Shield M1 BF (Baby Food)       | B3048/96/192 | 5 ppt   | 5-80 ppt             | 75 min   |
| Bio-Shield M1 Fast                 | B2548/96     | 10 ppt  | 10-250 ppt           | 30 min   |
| Bio-Shield M1 UF MYD               | B2248/96     | 100 ppt | 100-1000 ppt         | 20 min   |
| Bio-Shield M1 50M                  | B3448/96     | 7.5 ppt | 7.5-80 ppt           | 50 min   |

BIO-SHIELD M1 ES RECEIVED  
THE ILVO VALIDATION



# MYCOTOXINS

Government agencies worldwide enforce strict regulations on the allowable concentrations of mycotoxins in food and feed, particularly in infant food. Rapid and accurate detection of mycotoxins is critical to ensure compliance and protect public health.

There are six major groups of mycotoxins that can be found quite often in food and feed: Deoxynivalenol, Zearalenone, Ochratoxin, Fumonisin, T2-HT2 toxins and Aflatoxins B1,B2,G1,G2.

Our Bio-shield series for mycotoxin detection delivers fast results with the highest accuracy, across a wide range of difficult matrices, especially feed. The common extraction protocol not only facilitates multi-toxin analysis, making it a cost-effective screening method, but also supports sustainability by reducing the need for multiple extraction processes. With the sensitive Bio-Shield 5' series, approved by the USDA, accurate results can be achieved in as little as 5 minutes!



 **BROAD RANGE OF  
VALIDATED MATRICES**

**COMMON  
EXTRACTION  
PROTOCOL**



## HIGHLY SENSITIVE



| Product Name            | Product Code | LOQ      | Quantification Range | Duration |
|-------------------------|--------------|----------|----------------------|----------|
| Bio-Shield B1 5         | B5048/96     | 2 ppb    | 2-50 ppb             | 5 min    |
| Bio-Shield B1 OP        | B3348/96     | 2.5 ppb  | 2.5-50 ppb           | 20 min   |
| Bio-Shield B1 ES        | B2948/96     | 0.5 ppb  | 0.5-10 ppb           | 20 min   |
| Bio-Shield B1 BF        | B3148/96     | 0.06 ppb | 0.06-2.5 ppb         | 75 min   |
| Bio-Shield Total ES     | B2348/96     | 0.6 ppb  | 0.6-10 ppb           | 20 min   |
| Bio-Shield Total OP     | B3948/96     | 3 ppb    | 3-50 ppb             | 20 min   |
| Bio-Shield Ochratoxin 8 | B5448/96     | 2 ppb    | 2-40 ppb             | 8 min    |
| Bio-Shield Ochratoxin   | B2448/96     | 1.5 ppb  | 1.5-40ppb            | 20 min   |
| Bio-Shield ZON          | B2748/96     | 15 ppb   | 15-500 ppb           | 15 min   |
| Bio-Shield DON 5 W.E.   | B5748/96     | 100 ppb  | 100-5000 ppb         | 5 min    |
| Bio-Shield DON          | B2648/96     | 100 ppb  | 100-5000 ppb         | 20 min   |
| Bio-Shield DON M.E.     | B3848/96     | 100 ppb  | 100-5000 ppb         | 20 min   |
| Bio-Shield Fumonisin    | B2848/96     | 120 ppb  | 120-6000 ppb         | 15 min   |
| Bio-Shield T-2/HT-2 8   | B5648/96     | 20 ppb   | 20-500 ppb           | 8 min    |
| Bio-Shield T-2/HT-2     | B3248/96     | 10 ppb   | 10-500 ppb           | 15 min   |
| Bio-Shield T2           | B4148/96     | 6 ppb    | 6-500 ppb            | 20 min   |
| Bio-Shield Total 5      | B5148/96     | 2.5 ppb  | 2.5-50 ppb           | 5 min    |

 **BIO-SHIELD ZON 5, FUMONISIN 5 & DON 5  
ARE APPROVED BY USDA**

|                                                                                                              |          |         |              |       |
|--------------------------------------------------------------------------------------------------------------|----------|---------|--------------|-------|
| Bio-Shield ZON 5        | B5348/96 | 25 ppb  | 25-500 ppb   | 5 min |
| Bio-Shield Fumonisin 5  | B5548/96 | 200 ppb | 200-5000 ppb | 5 min |
| Bio-Shield DON 5        | B5248/96 | 100 ppb | 100-5000 ppb | 5 min |



1

STANDARD  
MYCOTOXINS

AN ACCURATE AND COST-EFFECTIVE ELISA METHOD

1-Standard ELISA innovates ELISA testing by using a precalibrated curve for the quantification of mycotoxins, in only 5 minutes. Unlike typical ELISA protocols that require several standards, the 1-standard ELISA requires only the first analyte-free standard.

Each curve is unique for every lot, thoroughly validated internally and available for download via the ProGnosis Data Reader. 1- Standard ELISA testing is the ideal solution for small labs that do not wish to waste extra wells for analyzing a small number of samples.

| Product Name           | Product Code | LOQ     | Quantification Range | Duration |
|------------------------|--------------|---------|----------------------|----------|
| 1-Standard Total       | D4348        | 2.5 ppb | 2.5-50 ppb           | 5 min    |
| 1-Standard Total Green | D5148        | 2.5 ppb | 2.5-50 ppb           | 15 min   |
| 1-Standard B1          | D4948        | 2 ppb   | 2-50 ppb             | 5 min    |
| 1-Standard DON         | D4548        | 100 ppb | 100-5000 ppb         | 5 min    |
| 1-Standard DON W.E.    | D4848        | 100 ppb | 100-5000 ppb         | 5 min    |
| 1-Standard ZON         | D4448        | 25 ppb  | 25-500 ppb           | 5 min    |
| 1-Standard Fumonisin   | D4748        | 200 ppb | 200-5000 ppb         | 5 min    |
| 1-Standard Ochratoxin  | D4148        | 2 ppb   | 2-40 ppb             | 8 min    |
| 1-Standard T-2/HT-2    | D4248        | 20 ppb  | 20-500 ppb           | 8 min    |

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ONLY ONE STANDARD NEEDED  
5-MIN ELISA METHOD  
SHELF LIFE: 12 MONTHS



## ELISA | ALLERGENS

The Allergen-Shield Series delivers precise quantitative results in just 30 minutes with high specificity, thanks to monoclonal antibodies. These ELISA tests accurately detect allergens in a broad variety of validated matrices, which in turn ensures the safety and allergen compliance of products.

The Allergen-Shield Swabbing Kit is an additional product available for all Allergen-Shield tests, designed to assist in monitoring surface contamination and ensuring effective cleaning control for allergenic proteins.



SWABBING KITS AVAILABLE  
FOR ALL ALLERGENS

AS1020 |Allergen Shield Swabbing Kit  
AS1220 |Allergen Shield Swabbing Kit Gluten  
AS1120 |Allergen Shield Swabbing Kit Soy  
AS1320 |Allergen Shield Swabbing Kit Milk

| Product Name                  | Product Code | LOQ      | Quantification Range | Duration |
|-------------------------------|--------------|----------|----------------------|----------|
| Allergen-Shield Gluten S      | A1048/96     | 5 ppm    | 5-80 ppm             | 30 min   |
| Allergen-Shield Soy           | A1848/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Total Milk*   | A1448/96     | 2.5 ppm  | 2.5-67.5 ppm         | 30 min   |
| Allergen-Shield Casein*       | A1248/96     | 0.5 ppm  | 0.5-30 ppm           | 30 min   |
| Allergen-Shield BLG*          | A1348/96     | 0.15 ppm | 0.15-4.5 ppm         | 30 min   |
| Allergen-Shield Almond**      | A1548/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Hazelnut**    | A1648/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Peanut**      | A1748/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Egg**         | A1148/96     | 1 ppm    | 1-20 ppm             | 30 min   |
| Allergen-Shield Cashew**      | A1948/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Pistachio**   | A2148/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Walnut**      | A2348/96     | 2.5 ppm  | 2.5-100 ppm          | 30 min   |
| Allergen-Shield Brazil Nut**  | A2948/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Lupin**       | A2648/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Macadamia**   | A2748/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Mustard**     | A2848/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Pecan**       | A2048/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Pine Nut**    | A3048/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Sesame**      | A2248/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Coconut**     | A2448/96     | 1 ppm    | 1-25 ppm             | 30 min   |
| Allergen-Shield Crustaceans** | A2548/96     | 5 ppm    | 5-100 ppm            | 30 min   |
| Allergen-Shield Fish**        | A3248/96     | 4 ppm    | 4-100 ppm            | 30 min   |

\*Common exctraction | \*\*Common exctraction

# ELISA

## ANTIBIOTICS



### ELIMINATE ANTIBIOTIC RESIDUES IN FOOD

Antibiotics are commonly used in farming, aquaculture, and apiculture to prevent the spread of disease in crowded conditions. **Bio-Shield Antibiotic Series** is an ELISA testing solution for the detection of Chloramphenicol and Nitrofurans, in various food products such as meat, milk, honey, and seafood.

**Chloramphenicol** is a broad-spectrum antibiotic banned in food-producing animals due to its link to aplastic anemia and other toxic effects. Even trace residues in food, including meat, milk, honey, and seafood, pose serious health risks.

**Nitrofurans**, a group of synthetic antibiotics, are banned in many regions due to concerns about their carcinogenic and mutagenic properties. Nitrofurans are rapidly metabolized in the body, meaning their metabolites are the key indicators detected during testing. These include:

- **AOZ** (3-amino-2-oxazolidinone): Metabolite of furazolidone
- **AMOZ** (3-amino-5-morpholinomethyl-2-oxazolidinone): Metabolite of furaltadone.
- **SEM** (semicarbazide): Metabolite of nitrofurazone.
- **AHD** (1-aminohydantoin): Metabolite of nitrofurantoin.



| Product Name               | Product Code | LOQ        | Quantification Range | Duration |
|----------------------------|--------------|------------|----------------------|----------|
| Bio-Shield Chloramphenicol | B8048/96     | 0.0125 ppb | 0.0125-1 ppb         | 40 min   |
| Bio-Shield AHD             | B8148/96     | 0.1 ppb    | 0.1 - 2.5 ppb        | 30 min   |
| Bio-Shield SEM             | B8448/96     | 0.2 ppb    | 0.2-10 ppb           | 45 min   |
| Bio-Shield AOZ             | B8248/96     | 0.1 ppb    | 0.1-2.5 ppb          | 90 min   |
| Bio-Shield AMOZ            | B8348/96     | 0.15 ppb   | 0.15-5 ppb           | 45 min   |



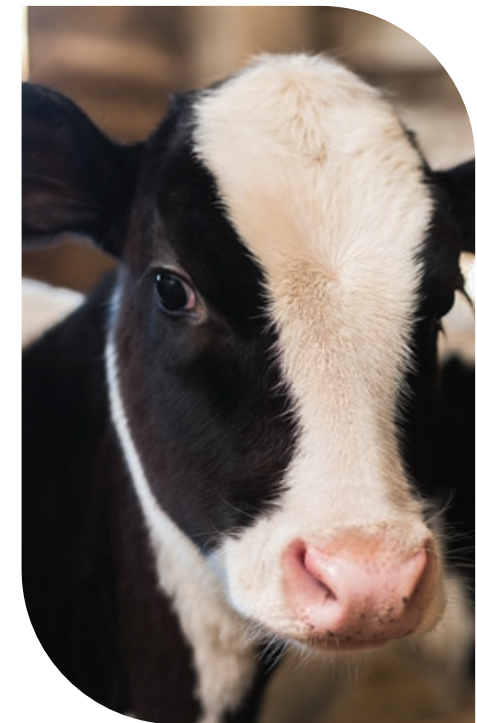
# ELISA

## MILK ADULTERATION

Adulterated milk, whether consumed directly or used in products like cheese (including feta, a Protected Designation of Origin, PDO product), results in a lower-quality outcome than consumers expect. Cow's milk, often targeted for adulteration due to its lower cost, is a common cause of food allergies, while goat's milk can trigger a rare allergic disorder. Both must be clearly declared on food labels.

To ensure consumer safety and maintain product integrity, rigorous testing for adulterants is crucial. Our precise testing solutions, not only improve product quality, but also protect brands by fostering trust within the dairy industry. By safeguarding public health, we contribute to a healthier, more reliable food supply for all.

ELISA testing offers a more accurate and user-friendly method for detecting milk adulteration compared to labor-intensive techniques like chromatography and electrophoresis. The Bio-Shield Adulteration Series provides a cost-effective and precise solution for milk screening.



| Product Name                       | Product Code | LOQ    | Quantification Range | Duration |
|------------------------------------|--------------|--------|----------------------|----------|
| Bio-Shield Adulteration Cow        | B0248/B0296  | 0.15%  | 0.15-4%              | 85 min   |
| Bio-Shield Adulteration Goat       | B0148/B0196  | 0.35 % | 0.35-25 %            | 85 min   |
| Bio-Shield Adulteration Cow Cheese | B0348        | 0.15 % | 0.15-4 %             | 85 min   |

# HISTAMINE

## ELISA | LATERAL FLOW



Histamine, a heterocyclic primary amine, is produced when the enzyme histidine decarboxylase - generated by certain bacteria - decarboxylates the amino acid L-histidine. This process primarily occurs in seafood after harvesting, especially in scombroid fish such as tuna, mahi mahi, mackerel, sardines, and herring. It can also be found in fermented products, such as cheese, yogurt, wine and beer, and also cured meats.

Elevated histamine levels can lead to scombroid poisoning in humans, prompting regulatory measures in many countries. In high-quality fish, histamine levels are typically kept below 10 ppm.

ProGnosis Biotech offer both ELISA and Lateral flow solutions for histamine detection that eliminate the need for acylation. Bio-Shield and 1-Standard Histamine both provide rapid results in just 20 minutes, differing only in the number of standards required. Notably, the Symmetric Histamine employs a water extraction method, aligning with our commitment to sustainable practices. This approach delivers quantitative results in just 3 minutes and includes an option for visual interpretation, revolutionizing histamine detection while promoting environmental sustainability.

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PRODUCT SERIES VIDEO



**BROAD RANGE OF QUANTIFICATION**  
**OPTIONAL VISUAL DETECTION LIMIT AT 35 PPM**  
**FAST PROTOCOLS**  
**NO ACYLATION REQUIRED**

| Product Name                     | Product Code | LOQ      | Quantification Range | Duration |
|----------------------------------|--------------|----------|----------------------|----------|
| Bio-Shield Histamine <b>AOAC</b> | B6048/96/576 | 2.74 ppm | 2.74-200 ppm         | 20 min   |
| Bio-Shield Histamine ES          | B6148/96/576 | 0.5 ppm  | 0.5-50 ppm           | 20 min   |
| Symmetric Histamine <b>AOAC</b>  | S9030/180    | 9.3 ppm  | 9.3-300 ppm          | 3 min    |
| 1-Standard Histamine             | D4648        | 2.5 ppm  | 2.5-200 ppm          | 20 min   |



**BIO-SHIELD HISTAMINE & SYMMETRIC HISTAMINE**  
**RECEIVED AOAC PTM CERTIFICATION**

# HYGIENE MONITORING SOLUTIONS



## ATP & PROTEIN FLOW SURFACE AND WATER TESTING

### EFFICIENT REAL-TIME ATP & PROTEIN RESIDUE DETECTION

ProGnosis Biotech's advanced ATP Surface and Water Testing Series, known as ATP FLOW, provides an effective solution for hygiene monitoring and cleanliness verification. ATP is a reliable indicator of microbial presence or residues that may promote their growth. ATP FLOW is designed for surface testing, while ATP FLOW TOTAL is equipped with a specialized sampling tip to detect both microbial and non-microbial ATP in water samples. ProGnosis Biotech's PROTEIN-FLOW test offers a fast and simple solution for detecting protein residues on surfaces after cleaning, invisible to the naked eye. Based on a colorimetric reaction, the assay provides a clear visual indication of cleanliness: a color shift from green to dark purple confirms the presence of residual proteins.



| Product Name                        | Product Code |
|-------------------------------------|--------------|
| ATP-FLOW (Surface ATP Test)         | SW1025       |
| ATP-FLOW Total (Water ATP Test)     | SW1125       |
| Protein Flow (Surface Protein Test) | SW1225       |

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PRODUCT SERIES VIDEO



**PhosReader 2** is a portable luminometer for all ProGnosis Biotech ATP swabs, supported by PhosConnect Cloud and software.

**PhosConnect Cloud** enables real-time remote data management, helping teams review results and make safe, informed decisions, through a user-friendly interface and secure **European/US servers**.

- Automatic result uploads
- Personalized testing plans
- Dashboard with dynamic filter controls



**PhosConnect software** enables result storage directly on the computer.



# HARDWARE & SOFTWARE

## PRECISE LATERAL FLOW READERS

FIELD-DEPLOYABLE HARDWARE FOR OUR LATERAL FLOW KITS



### S-FLOW READER

The Prognosis Biotech S-Flow reader is engineered for high-throughput analysis of our lateral flow devices.

Benefits:

- Precise and rapid scanning process
- Analyzes up to six strips simultaneously in just a few seconds
- Capable of reading various product test strips at the same time
- User-friendly; no special training required for operation
- Field deployable for enhanced versatility



### 3PR MINI

3PR field reader from ProGnosis Biotech enables users to achieve fast, easy, and quantitative results with our lateral flow devices in just minutes. This lightweight system operates via Bluetooth, allowing compatibility with portable tablet devices or via our Android mobile app.

Benefits:

- Fast and lightweight, enabling on-site results without the need for specialized equipment
- Analyzes 3 strips simultaneously in just a few seconds
- User-friendly; no special training required for operation
- Bluetooth connectivity with Windows-enabled tablet devices
- Compatible with our Android mobile app



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### 3PR QUAD | DUO

The 3PR Quad | Duo enables multiple 3PR Mini units to operate in parallel, allowing users to run identical or different lateral flow tests at the same time. Available in Duo and Quad configurations.

Benefits:

- Standalone Reader: 3PR Quad Ready and 3PR Duo Ready
- Duo: reads up to 6 strips and 2 cassettes simultaneously
- Quad: reads up to 12 strips and 4 cassettes simultaneously
- Supports different or identical tests
- S-Flow Multi-View, displays all connected devices on one page



## INTUITIVE SOFTWARE SOLUTIONS

DESIGNED TO FACILITATE YOUR ANALYSIS AND RESULTS REPORTING

## PROGNOSIS DATA READER

## ELISA Analysis

ProGnosis Biotech offers a standalone, user-friendly, statistical analysis program designed to streamline laboratory data analytics and reporting. The ProGnosis data reader can import microplate readout values from the spectrophotometer and automatically generate comprehensive analytic reports of ELISA results, requiring no additional effort from the user. Customized reporting options are also available through our software solutions team.



**S-FLOW SOFTWARE**

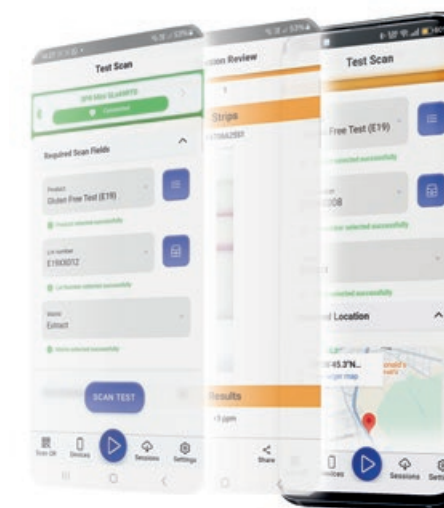
## Next Generation Lateral Flow Analysis

S-Flow is our versatile software platform designed for the quantitative analysis of one or more lateral flow devices. This platform is regularly updated with the latest calibration data to ensure users achieve accurate results on the field every time. Additionally, customized reporting options are available through our software solutions team.

## INNOVATIVE MOBILE APP

## Lateral Flow Analysis

ProGnosis Biotech's Android mobile app streamlines food safety testing by delivering immediate quantitative results alongside GPS data. Seamlessly connecting to the 3PR mini reader via Bluetooth, it securely stores results in the cloud, allowing real-time access for laboratory personnel and key stakeholders. This capability enables non-specialized staff to conduct remote testing while supporting informed decision-making and transparency throughout the food supply chain.



# FROM FARM TO CLOUD



ACCURACY THROUGH INNOVATION





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