

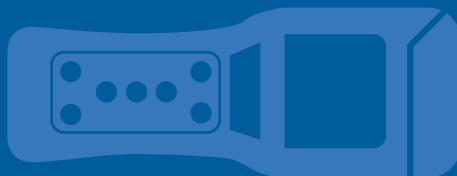


# Biogenetics

Diagnostics s.r.l.



## Product Catalog



# QUALITY CERTIFICATION

SISTEMA DI GESTIONE  
QUALITÀ CERTIFICATO



UNI EN ISO **9001:2015**

- › **Biogenetics Diagnostics is a company specialized in the research and promotion of highly qualified products in the field of industrial microbiology. Some years ago it opened a cooperation with Hygiena to offer manufacturing industries rapid, accurate and affordable test platforms that address their needs.**
- › **Hygiena delivers rapid microbial detection tests, monitoring and identification solutions to a wide range of industries, including food and beverage, health care, pharmaceuticals, and personal care, utilizing advanced technologies and patented designs.**
- › **Hygiena provides industry-leading ATP monitoring systems, PCR-based foodborne pathogen detection, allergen tests, environmental collection devices, and more. It is committed to provide customers with high-quality innovative technologies that are easy-to-use and reliable.**



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## EnSURE™ Touch

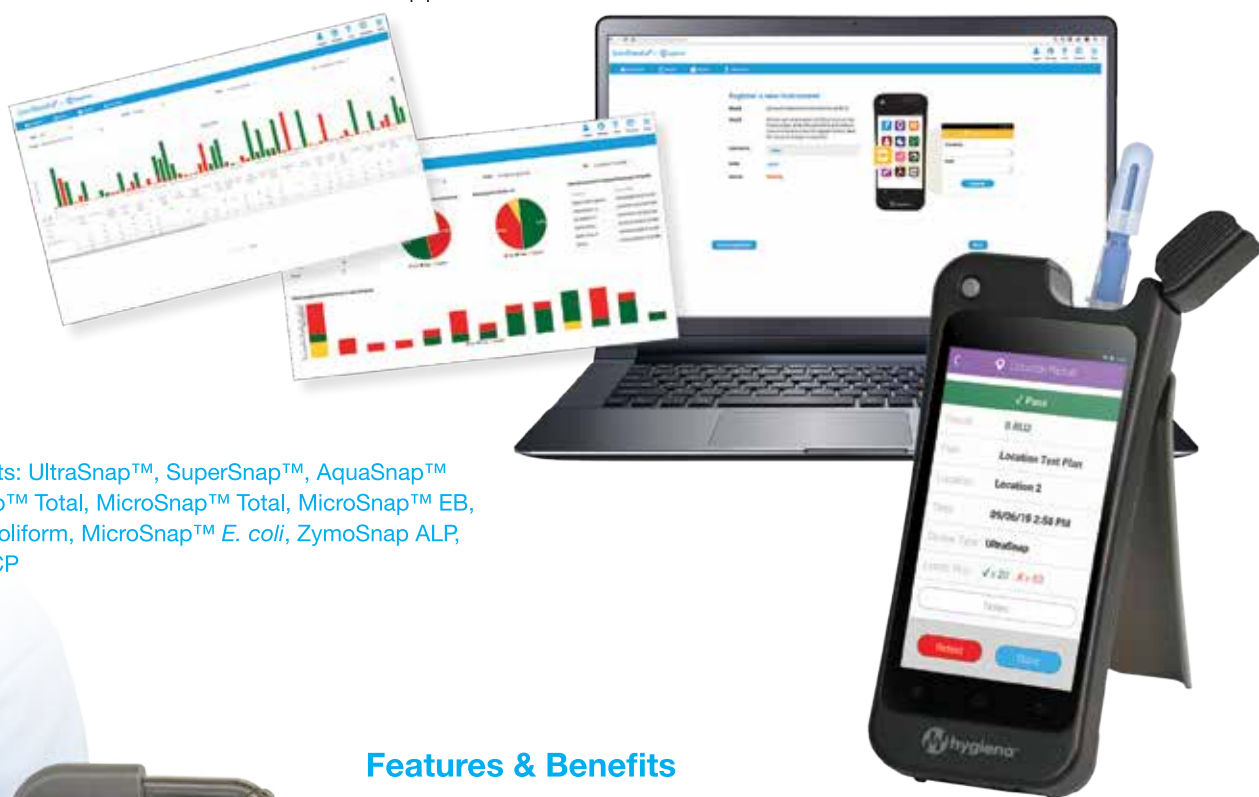
Monitoring System



Catalog No: ETOUCH

EnSURE™ Touch is the most modern monitoring system and it works just like your smartphone. It was specifically designed with you in mind and has features which make it exceptionally customizable to the needs of your facility and testing program. Results and reports can be viewed on the instrument for quick reference or synced securely to SureTrend™ Cloud for more in-depth audit preparation and risk management.

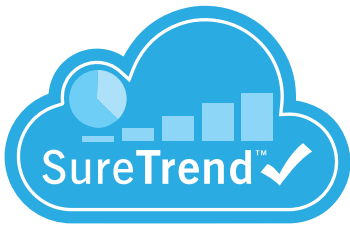
- Most sensitive ATP Monitoring System available
- 5 inch shatter-resistant and glove-compatible touch screen
- Supports multiple languages
- Security settings differentiate operators and administrators
- Rechargeable Lithium-Ion battery with USB-C charging
- Remote support



Compatible tests: UltraSnap™, SuperSnap™, AquaSnap™ Free, AquaSnap™ Total, MicroSnap™ Total, MicroSnap™ EB, MicroSnap™ Coliform, MicroSnap™ *E. coli*, ZymoSnap ALP, CrossCheck ACP

### Features & Benefits

- Advanced photodiode technology paired with a unique chemistry for maximum sensitivity and durability
- Intuitive smart navigation makes it easy for anyone to use
- Train remote teams with built-in screen sharing capability
- Tilt sensor ensures more accurate readings
- Auto shut-off for smart battery management
- Simulate RLU values from other monitoring systems for easy adoption
- Automatic software updates include new features and improvements based on customer feedback



Cloud-Based  
Data Analysis Software

SureTrend™ Cloud is an easy-to-use data analysis software that takes your raw testing data and brings it to life with meaningful reports that help you understand the cleaning and sanitation challenges in your facility. SureTrend™ Cloud enables users to monitor, track, and trend testing results across multiple facilities, making risk management easier than ever.

- Automatic software updates so you always run the latest version
- New features added regularly based on customer feedback
- Data encrypted and secured via SSL
- Scalable and customizable to your needs
- Interactive dashboard for quick data insights
- Easily configure one or hundreds of instruments from a single account
- Monitor testing results across one or multiple facilities
- Personalized reports
- Compatible with most internet browsers (Google Chrome recommended)

Get started today at  
[suretrend.hygiena.com](http://suretrend.hygiena.com)



## EnSURE™

### Monitoring System

Catalog No: ENSURE

The EnSURE™ Monitoring System uses one instrument to measure tests for ATP from surface and liquid samples, allergen prevention, total viable count, Enterobacteriaceae, Coliform, *E.coli*, and other food safety indicators.

- Advanced photodiode sensor offers superior stability, stays in calibration
- Provides real-time results in 15 seconds
- Complimentary SureTrend™ Data Analysis Software



Compatible tests: UltraSnap™, SuperSnap™, AquaSnap™ Free, AquaSnap™ Total, MicroSnap™ Total, MicroSnap™ EB, MicroSnap™ Coliform, MicroSnap™ *E. coli*, ZymoSnap ALP, CrossCheck ACP

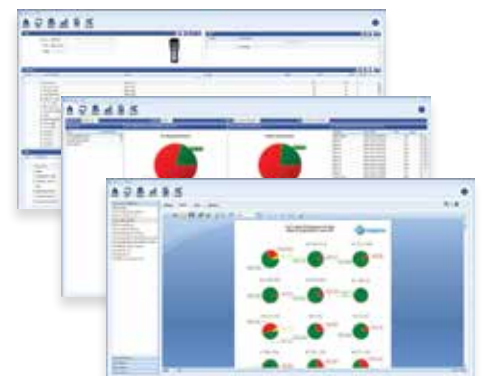
## SureTrend™ ✓

### Data Analysis Software

Download for free at  
[hygiena.com/suretrend](http://hygiena.com/suretrend)

SureTrend™ Data Analysis Software takes test results and data from your Hygiena monitoring system and easily converts them into comprehensive reports that illustrate trends and show continuous improvement. SureTrend™ is easy to use and free with your Hygiena monitoring system.

- Helps meet audit requirements
- Identifies problem areas for immediate corrective actions
- Fraud-proof, test results cannot be changed or deleted
- Intuitively tracks and trends test results to generate actionable reports
- PC/Windows compatible



## SystemSURE Plus™

### ATP Sanitation Monitoring System

Catalog No: SSPLUS

SystemSURE Plus™ is the world's best selling ATP Sanitation Monitoring System. With its compact design and easy-to-use software, SystemSURE Plus™ is trusted to monitor sanitation and hygiene by manufacturers and facilities in numerous industries.

- Sensitive to down to 1.0 femtomoles of ATP
- Advanced photodiode sensor stays in calibration
- Provides real-time results in 15 seconds
- Calibration self-check at start up with optional full diagnostic check mode
- Complimentary SureTrend™ Data Analysis Software
- AA Battery operated



Compatible tests: UltraSnap™, SuperSnap™, AquaSnap™ Free, AquaSnap™ Total, EndoSwab Endoscope Sampling Swab



## Hygiene Monitoring System Comparison Chart



**EnSURE™ Touch**

**EnSURE™**

**SystemSURE Plus™**

<b>Sensitivity</b>	0.1 femtomoles	0.1 femtomoles	1.0 femtomoles
<b>Reproducibility</b>	8-18%	8-18%	8-18%
<b>Read Time</b>	10 seconds	15 seconds	15 seconds
<b>Calibration Verification</b>	✓	✓	✓
<b>Programmable Locations</b>	>1,000,000	5,000	5,000
<b>Test Storage Capacity</b>	>1,000,000	2,000	2,000
<b>Run Reports on Meter</b>	✓	✗	✗
<b>Input Locations/Plans on Meter</b>	✓	✗	✗
<b>Manage Locations on Meter</b>	✓	✗	✗
<b>Manage Plans on Meter</b>	✓	✗	✗
<b>Store locations by Line</b>	✓	✗	✗
<b>Programmable Test Plans</b>	✓	✓	✓
<b>Programmable User Names</b>	✓	✓	✓
<b>Test Point Randomization</b>	✓	✓	✓
<b>Power Supply</b>	Internal rechargeable lithium ion battery	2 AA Alkaline batteries	2 AA Alkaline batteries


**EnSURE™ Touch**
**EnSURE™**
**SystemSURE Plus™**

<b>Battery Run Time</b>	8-10 hours depending on use	8-12 months depending on use	8-12 months depending on use
<b>Battery Charge Time</b>	3-4 hours	N/A	N/A
<b>Full Touchscreen UI</b>	✓	✗	✗
<b>Wi-Fi Capable</b>	✓	✗	✗
<b>RLU Simulation</b>	✓	✗	✗
<b>Wireless Sync</b>	✓	✗	✗
<b>On-Screen Remote Support</b>	✓	✗	✗
<b>Light Sensor</b>	Photodiode	Photodiode	Photodiode
<b>Instrument Size</b>	17.8 x 7.6 x 2.5 cm	18.5 x 7 x 3 cm	18.5 x 7 x 3 cm
<b>Instrument Weight</b>	.70 lbs	.57 lbs	.57 lbs
<b>Data Analysis Software</b>	SureTrend™ Cloud	SureTrend™	SureTrend™
<b>Number of Programmed Reports</b>	30+	30	30
<b>Cloud-Based Software</b>	✓	✗	✗
<b>Excel Compatible</b>	✓	✓	✓
<b>Networkable for Multiple Systems</b>	✓	✓	✓

# CalCheck

LED Calibration  
Verification Device

Catalog No: CAL

CalCheck is a reusable LED device for quick and reliable instrument calibration verification in less than one minute. Containing both positive and negative calibration controls activated by a click of a button, CalCheck allows for on-site instrument calibration checks to prove to auditors that your instrument is working properly.

- Compatible with all Hygiena luminometers
- Unlimited use for lifetime of product
- LED indicator light for On/Off confirmation and battery replacement
- Powered by an easily replaceable coin battery



# Positive Control Kit

Catalog No: CK25

The Positive Control Kit validates the efficacy and stability of Hygiena ATP test devices. The kit includes known amounts of ATP and sugars to validate test device performance.

- Useful for verifying proper temperature storage of test devices
- Contains 25 sealed glass vials
- Compatible with UltraSnap™, SnapShot™, and SpotCheck Plus



# UltraSnap™

Surface ATP Test



Qty: 100  
Catalog No: US2020

UltraSnap™ is a user-friendly, all-in-one surface ATP test compatible with Hygiena monitoring systems. Its unique design and liquid-stable reagent has been proven in a third party study to provide superior linearity, repeatability, sensitivity, and accuracy.

- Offer consistent and reliable results
- Pre-moistened swab bud breaks through biofilms for maximum sample collection
- Can be kept at room temperature or in cold storage
- Compatible with all Hygiena luminometers



# SuperSnap™

High Sensitivity  
Surface ATP Test

Qty: 100  
Catalog No: SUS3000

SuperSnap™ is Hygiena's most sensitive ATP surface test. Its ability to detect extremely low levels of ATP allows it to be used as an allergen cross-contamination prevention tool. Simply swab a surface, release the reagent, and insert into a Hygiena monitoring system for highly accurate, real-time results.

- Most sensitive ATP test validated by a third-party study (4 times as sensitive as UltraSnap™)
- Robust reagent has superior resistance to sanitizers and extreme pH environments
- Offers consistent and reliable results
- Compatible with all Hygiena luminometers



# SnapShot™

Universal ATP Test

Qty: 100  
Catalog No: SPXL1333  
(3M™ Clean-Trace, BioTrace Uni-Lite® NG, Uni-Lite® XCEL, Uni-Lite®, Uni-Lite® NG Junior)  
Catalog No: SBC1575  
(BioControl Lightning & MVP™)  
Catalog No: SS1211  
(Celsis systemSURE)  
Catalog No: SHL1414  
(Merck Hy-Lite)

SnapShot™ Universal ATP Tests are designed to replace ATP tests for non-Hygiena systems. Each one is designed to replicate the ATP reaction of the test its replacing, eliminating the need to change pass/fail settings.

- Efficient device design offers superior sample recovery
- Offers increased test repeatability and reliability over competitor swabs
- No need to change pass/fail settings



## AquaSnap™ TOTAL

AquaSnap™ Total measures both free and microbial ATP in solutions, indicating the total amount of ATP in a water sample.

### Water ATP Test

- Honey dipper collection tip collects consistent 100µl sample
- Detects contamination from both microbial and non-microbial sources
- Offers actionable results
- Compatible with all Hygiene luminometers

Qty: 100  
Catalog No: AQ-100X



## AquaSnap™ FREE

AquaSnap™ Free measures ATP that is free in solution. The difference between Total and Free ATP provides an estimate of microbial contamination in a sample.

### Water ATP Test

- Honey dipper collection tip collects consistent 100µl sample
- Can be used with AquaSnap Total to estimate the total bioload of a sample
- Offers actionable results
- Compatible with all Hygiene luminometers

Qty: 100  
Catalog No: AQ-100FX



## WaterShot™ TOTAL

WaterShot™ Total is designed to replace ATP water test devices compatible with a 3M™ or BioTrace™ luminometer, and reduces cost while providing more accurate and repeatable results.

### Universal ATP Water Test

- Unique device design provides superior accuracy and repeatability
- No need to change Pass/Fail settings
- Honey dipper collection tip collects consistent 100µl sample
- Measures both free (soluble) and microbial ATP in solutions

Qty: 100  
Catalog No: W-SPXL1333



# WaterShot™ FREE

## Universal ATP Water Test

Qty: 100  
Catalog No: WF-SPXL1333

WaterShot™ Free is designed to replace ATP water test devices compatible with a 3M™ or BioTrace™ luminometer, and detects free (soluble) ATP in the sample.

- Unique liquid-stable reagent provides unprecedented accuracy and repeatability
- No need to change Pass/Fail settings
- Honey dipper collection tip collects consistent 100µl sample
- Can be used with WaterShot™ Total to estimate the total bioload of a sample



## ATP BioMass Kit

Catalog No: CCK4  
BioMass Kit for Hygiena Luminometers

The ATP BioMass Kit is a high-precision test for measuring total and free ATP in challenging liquid samples. It is the ideal solution for measuring contamination in process water, wastewater, water tanks, and cooling towers.



## GlutenTox® Pro

Designed specifically for commercial kitchens and food manufacturers, GlutenTox® Pro is a user-friendly gluten detection kit for foods, drinks, and surfaces. GlutenTox® Pro contains the G12 anti-gliadin antibody that specifically recognizes the 33-mer peptide, the gluten fraction that triggers celiac disease.



Qty: 25 tests  
Catalog No: KIT3000

- AOAC-RI Performance Tested Method<sup>SM</sup> for various food matrices and surfaces
- Results in less than 20 minutes for food and less than 10 minutes for surfaces
- Adjustable sensitivity:  
Food = 5 ppm, 10 ppm, 20 ppm, 40 ppm  
Surface = 10 ng/cm<sup>2</sup>
- Approved by the Gluten-Free Certification Organization
- HACCP, ISO 22000, BRC, and IFS compliance
- No lab equipment required



## GlutenTox® Pro Surface

Designed specifically for commercial kitchens and food manufacturers, GlutenTox® Pro Surface is a user-friendly gluten detection kit for surfaces. GlutenTox® Pro Surface contains the G12 anti-gliadin antibody that specifically recognizes the 33-mer peptide, the gluten fraction that triggers celiac disease.

Qty: 50 Kits  
Catalog No: KIT3002

- Very sensitive: 10 ng/cm<sup>2</sup> of gluten
- Results in less than 10 minutes with just 2 steps
- Validated method for several types of surfaces
- HACCP, ISO 22000, BRC, and IFS compliance
- No lab equipment required



## GlutenTox® Pro Surface Fast

Designed specifically for commercial kitchens and food manufacturers, GlutenTox® PRO Surface FAST is a user-friendly gluten detection kit for surfaces. It contains the G12 anti-gliadin antibody that specifically recognizes the 33-mer peptide, the gluten fraction that triggers celiac disease.

Qty: 50 tests  
Catalog No: KIT3003

- Results in 1 single step
- Very sensitive: 10 ng/cm<sup>2</sup> of gluten
- Results in ≤ 4 minutes for high levels of gluten & 10 minutes for traces
- No pipetting or lab equipment required
- Validated method for several types of surfaces
- HACCP, ISO 22000, BRC, and IFS compliance



## GlutenTox<sup>®</sup> SticksPlus

Qty: 25 sticks  
Catalog No: KIT3005

Designed specifically for food & beverage analysis labs GlutenTox<sup>®</sup> Sticks Plus is a rapid gluten detection kit for foods, drinks, and surfaces. GlutenTox<sup>®</sup> Sticks Plus contains the G12 anti-gliadin antibody that specifically recognizes the 33-mer peptide, the gluten fraction that triggers celiac disease.

- Results in ≤ 60 minutes for food and ≤ 10 minutes for surfaces
- Flexible protocols depending on sample properties (i.e., polyphenols, heat-processed samples etc.)
- Sensitive to 3 ppm of gluten
- Validated for major food matrices
- Semi-quantification of gluten in samples
- HACCP, ISO 22000, BRC, and IFS compliance



## GlutenTox<sup>®</sup> SticksPlus for Reader

Qty: 12 cassettes  
Catalog No: KIT3007

Designed specifically for food & beverage analysis labs, GlutenTox<sup>®</sup> Sticks Plus for Reader is a rapid gluten detection kit for food and drinks. GlutenTox<sup>®</sup> Sticks Plus for Reader contains the G12 anti-gliadin antibody that specifically recognizes the 33-mer peptide, the gluten fraction that triggers celiac disease. Tests are quantified using GlutenTox<sup>®</sup> Reader.

- Validated for major food matrices
- Flexible protocols depending on sample properties (i.e., polyphenols, heat-processed, samples with complex matrix composition, etc.)
- Sensitive to 1 ppm gluten
- Quantifies 1-40 ppm of gluten using GlutenTox<sup>®</sup> Reader
- HACCP, ISO 22000, BRC, and IFS compliance
- Results in 90 minutes for food and beverages



## GlutenTox<sup>®</sup> Reader

Catalog No: ASY3000

GlutenTox<sup>®</sup> Reader is an immunochromatographic cassette reader designed to scan lateral flow test strips giving quantitative data of the amount of gluten present in the analyzed sample. GlutenTox<sup>®</sup> Reader is a small, lightweight device that can be battery powered to increase portability. It combines a high-sensitivity optic detector, an integrated electronic system, and an effective system for data processing.

- Objectively quantifies 1-40 ppm gluten
- Storage capacity of 100 scans
- USB compatible to download data to PC
- Extremely easy to use – one button operation



## GlutenTox<sup>®</sup> Home

GlutenTox<sup>®</sup> Home is a user-friendly gluten detection kit for foods, drinks, and oral hygiene products designed specifically for consumer use. GlutenTox<sup>®</sup> Home contains the G12 anti-gliadin antibody that specifically recognizes the gluten fraction that triggers celiac disease.

- Adjustable sensitivity: 5 ppm or 20 ppm of gluten
- Results in less than 20 minutes
- Detects gluten from wheat, barley, rye and rare varieties of oat
- Perfect for on-the-go testing
- Store at room temperature (15 - 25 °C/ 59 - 77 °F)

Qty: 5 tests  
Catalog No: KIT3010



## GlutenTox<sup>®</sup> ELISA

### Sandwich Kit

GlutenTox<sup>®</sup> ELISA Sandwich is a quantitative immunosorbent assay containing two different antibodies (G12 and A1) that recognize different epitopes within the gliadin 33-mer peptide, the most toxic fragment of gluten which triggers celiac disease. The ELISA Sandwich is a technique usually used for the analysis of substances found at very low concentrations. This combined with the high specificity and sensitivity of the antibodies used in this test allows this method to precisely quantify gluten in food samples.

- Extremely sensitive: 0.6 ppm of gluten
- Results in 2.5 hours
- Valid for a wide range of food matrices
- No cross-reactivity
- HACCP, ISO 22000, BRC, and IFS compliance

Qty: 96 wells  
Catalog No: KIT3011



## GlutenTox<sup>®</sup> ELISA

### Competitive G12

GlutenTox<sup>®</sup> ELISA Competitive G12 is a quantitative immunosorbent assay that contains the G12 anti-gliadin antibody that specifically recognizes the most immunogenic epitopes of gluten and is designed for testing hydrolyzed samples.

- Quantification range: 6.25-200 ppm gluten
- Results in 1.5 hours
- Valid for a wide range of hydrolyzed samples
- No cross reactivity
- HACCP, ISO 22000, BRC, and IFS compliance

Qty: 96 wells  
Catalog No: KIT3012



# AllerSnap™

## High-Sensitivity Allergen Prevention Test

Qty: 100  
Catalog No: ALS-100

AllerSnap™ High-Sensitivity Allergen Prevention Test accurately monitors surface cleanliness and ensures product quality by detecting protein residues left behind after cleaning. Simply swab a surface, release the reagent, and incubate. If the protein residue and potential allergens are present, the reagent turns purple.

- Quickly validates surface hygiene in 15-30 minutes
- Uses broad-range protein detection offering increased speed over specific allergen tests
- Easy-to-interpret color results; green means clean, purple means re-clean
- Sensitive down to 3 µg protein



# Allerflow | Gluten

## Environmental Gluten Surface Residue Test Kit

Qty: 25 Kits  
Catalog No: ALF-GL

The AllerFlow Gluten Kit rapidly detects gluten residue on surfaces using the G12 antibody. Combining Hygiena's convenient sample collection swab design and classic lateral flow technology, the AllerFlow Gluten Kit makes gluten testing easier than ever before.

- Simple two-part kit includes all materials; no pipettes, bottles, or heating blocks required
- Pre-measured, self-contained extraction buffer provides consistent results
- No cross-reactivity with soy, rice, or corn
- Specific to the allergenic fraction of gluten from wheat, barley, rye, and oat
- Sensitive to 5 µg (5 ppm) gluten.



## AlerTox® Sticks

AlerTox® Sticks are rapid immunochromatographic tests for semi-quantitative detection of allergens in raw materials, final products, and on surfaces. AlerTox® Sticks are available for most common allergens including total milk,  $\beta$ -Lactoglobulin, casein, egg, soy, almond, hazelnut, crustacean, fish, and mustard seed.

Qty: 10 tests  
Catalog No: Total Milk KIT3015

Qty: 25 tests  
Catalog No: Total Milk KIT3016

Qty: 10 tests  
Catalog No:  $\beta$ -Lactoglobulin KIT3018

Qty: 25 tests  
Catalog No:  $\beta$ -Lactoglobulin KIT3019

Qty: 10 tests  
Catalog No: Casein KIT3021

Qty: 25 tests  
Catalog No: Casein KIT3022

Qty: 10 tests  
Catalog No: Egg KIT3025

Qty: 25 tests  
Catalog No: Egg KIT3026

Qty: 10 tests  
Catalog No: Soy KIT3028

Qty: 25 tests  
Catalog No: Soy KIT3029

Qty: 10 tests  
Catalog No: Almond KIT3033

Qty: 10 tests  
Catalog No: Hazelnut KIT3035

Qty: 10 tests  
Catalog No: Crustacean KIT3036

Qty: 10 tests  
Catalog No: Fish KIT3038

Qty: 10 tests  
Catalog No: Mustard Seeds KIT3040

- Quick and reliable
- No cross-reactivity
- Trusted lateral flow technology
- Semi-quantitative results in 10 minutes
- Validated for food and surfaces

Assay	Detection Limit (LOD)
AlerTox® Sticks Total Milk	2.5 ppm
AlerTox® Sticks $\beta$ -Lactoglobulin	2.5 ppm
AlerTox® Sticks Casein	2.5 ppm
AlerTox® Sticks Egg	1.25 ppm
AlerTox® Sticks Soy	10 ppm
AlerTox® Sticks Almond	20 ppm
AlerTox® Sticks Hazelnut	20 ppm
AlerTox® Sticks Crustacean	10 ppm
AlerTox® Sticks Fish	5 ppm
AlerTox® Sticks Mustard Seeds	2 ppm

## AlerTox® ELISA

For Wine

In the wine manufacturing process, casein and egg albumin are frequently used as fining agent proteins to produce white, red, and rosé wines. For this reason, wines fined with casein, caseinate, milk products, or their derivatives may trigger adverse reactions in individuals with related allergies. As a result, allergen labeling of wines became compulsory in June 2012. AlerTox® ELISA Sandwich kits for wine are highly specific and quantitative allergens assays made specifically for testing wine.

- Specifically made for wine analysis
- Validated for all kinds of wine matrices (rosé, white, and red wines)
- Conforms with O.I.V. Requirements (International Organization of Vine and Wine)

Qty: 96 wells  
Catalog No: Ovalbumin KIT3045

Qty: 96 wells  
Catalog No: Lysozyme KIT3044

Qty: 96 wells  
Catalog No: Casein KIT3043

Assay	Detection Limit (LOD)	Quantification Limit (LOQ)
AlerTox® ELISA Ovalbumin	5 ppb	25 ppb
AlerTox® ELISA Lysozyme	2 ppb	25 ppb
AlerTox® ELISA Casein	0.05 ppm	0.20 ppm

# AlerTox® ELISA

Qty: 96 wells  
Catalog No: Milk KIT3041

Qty: 96 wells  
Catalog No:  $\beta$ -Lactoglobulin KIT3042

Qty: 96 wells  
Catalog No: Egg KIT3046

Qty: 96 wells  
Catalog No: Soy KIT3047

Qty: 96 wells  
Catalog No: Peanut KIT3048

Qty: 96 wells  
Catalog No: Almond KIT3049

Qty: 96 wells  
Catalog No: Hazelnut KIT3050

Qty: 96 wells  
Catalog No: Sesame KIT3051

Qty: 96 wells  
Catalog No: Walnut KIT3052

Qty: 96 wells  
Catalog No: Cashew KIT3053

Qty: 96 wells  
Catalog No: Pistachio KIT3054

Qty: 96 wells  
Catalog No: Macadamia KIT3055

Qty: 96 wells  
Catalog No: Coconut KIT3056

Qty: 96 wells  
Catalog No: Lupine KIT3057

Qty: 96 wells  
Catalog No: Mustard KIT3058

Qty: 96 wells  
Catalog No: Crustacean KIT3059

Qty: 96 wells  
Catalog No: Fish KIT3060

AlerTox® ELISA is a quantitative immunosorbent assay designed for the detection and quantification of allergens in raw materials and final products. The ELISA Sandwich is a technique usually used for the analysis of substances found at very low concentrations. This combined with the high specificity and sensitivity of the antibodies used in these tests allow this method to precisely quantify allergens in all types of food and drinks. AlerTox® ELISA are available for most common allergens including milk,  $\beta$ -Lactoglobulin, casein, lysozyme, ovalbumin, egg, soy, peanut, almond, hazelnut, sesame, walnut, cashew, pistachio, macadamia, coconut, lupine, mustard, crustacean, and fish.

- Compatible with any type of sample
- No cross-reactivity
- Highly specific and sensitive
- Results in ~1 hour

Assay	Detection Limit (LOD)	Quantification Limit (LOQ)
AlerTox® ELISA Lupine	0.2 ppm	2 ppm
AlerTox® ELISA Sesame	0.2 ppm	2 ppm
AlerTox® ELISA Mustard	1.5 ppm	2 ppm
AlerTox® ELISA Cashew	0.2 ppm	2 ppm
AlerTox® ELISA Soy (STI)	16 ppb	50 ppb
AlerTox® ELISA Walnut	0.6 ppm	2 ppm
AlerTox® ELISA Peanut	0.3 ppm	1 ppm
AlerTox® ELISA Hazelnut	0.3 ppm	1 ppm
AlerTox® ELISA Almond	0.2 ppm	0.5 ppm
AlerTox® ELISA Pistachio	0.13 ppm	1 ppm
AlerTox® ELISA Egg	0.05 ppm	0.4 ppm
AlerTox® ELISA Lysozyme	2 ppb	25 ppb
AlerTox® ELISA Ovalbumin	5 ppb	25 ppb
AlerTox® ELISA Casein	0.05 ppm	0.2 ppm
AlerTox® ELISA Milk	0.05 ppm	0.5 ppm
AlerTox® ELISA $\beta$ -Lactoglobulin	1.5 ppb	10 ppb
AlerTox® ELISA Crustacean	1 ppb	20 ppb
AlerTox® ELISA Fish	1.4 ppm	4 ppm
AlerTox® ELISA Coconut	0.4 ppm	2 ppm
AlerTox® ELISA Macadamia	0.1 ppm	1 ppm

# Surface Residue Testing

## SpotCheck Plus

Glucose & Lactose  
Detection Device

Qty: 100  
Catalog No: GL100

SpotCheck Plus detects the presence of glucose and lactose on surfaces. Glucose is present in 85% of food items and lactose is a key component of all dairy products, making SpotCheck Plus a suitable test for monitoring surface hygiene in most environments where food is processed. Simply swab a surface, release the reagent, and if residue containing glucose or lactose is present, the reagent will turn green, indicating poor surface hygiene.

- Results in 60 seconds
- Easy-to-interpret color change, no lab equipment required
- Sensitive to 2.5µmoles of D-glucose and 5.0µmoles of lactose



## CROSS CHECK

ACP Cooking  
Efficiency Test

Qty: 100  
Catalog No: CX-3000

CrossCheck measures acid phosphatase activity, a natural enzyme present in raw meat. CrossCheck is used with finished products to verify thermal processing and on food contact surfaces to measure raw meat residues and cross contamination hazards.

- Results in 2-5 minutes
- Determines product and surface safety
- Detects down to 0.1% or less of raw meat or fish



## PRO-Clean™

Rapid Protein  
Residue Test

Qty: 100  
Catalog No: PRO-100

PRO-Clean™ easily monitors the presence of proteins on surfaces, allowing immediate corrective action to be taken when necessary.

- Results in 10 minutes or less
- Easy-to-interpret color change
- No lab equipment required
- Shelf life: 18 months at room or refrigerated temperatures (2 - 25 °C)
- Sensitive to 2.5µmoles of D-glucose and 5.0µmoles of lactose



# oleotest

## Oil Test

Qty: 10 tests  
Catalog No: KIT3061  
Qty: 50 tests  
Catalog No: KIT3062

OleoTest is a colorimetric assay that determines the total polar compounds in frying oils in 2 minutes. It can be used in many applications including food and beverage processing, restaurants, kitchens, hotels, and catering.

- 5 level color scale measures >24% of polar compound
- Ideal for seed oils (sunflower, corn, peanut, etc.)
- Can also be used for palm oil, coconut oil and rice bran oil
- Not suitable for olive oil



# Pasteurization Testing

## ZymoSnap **ALP**

ZymoSnap ALP measures alkaline phosphatase enzymes in milk and milk-based products to verify pasteurization efficiency.

ALP Pasteurization  
Verification Test

- Detects below regulatory limits (<350 mU/L)
- Results in 5 minutes
- All-in-one system

Qty: 100  
Catalog No: ZS-ALP-100



## ZymoSnap

Positive Control Kit

ZymoSnap Positive Control Kit validates the performance of ZymoSnap ALP Pasteurization Verification Tests.

- Each vial contains 350mU/L of ALP
- Includes 5 positive control vials

Qty: 5 vials  
Catalog No: ZS-ALP-PC



## MicroSnap™

**E. coli**



Qty: 100

Catalog No: MS1-CEC Enrichment Device

Catalog No: MS2-ECOLI Detection Device

Catalog No: MS1-N-BROTH-9ML  
Enhanced Nutrient Broth

Catalog No: MS1-EB-BROTH-9ML  
Enhanced EB Broth

MicroSnap™ *E. coli* is a rapid test for detection and enumeration of *E. coli*. The test uses a novel bioluminogenic reaction that generates light when enzymes that are characteristic of *E. coli* bacteria react with specialized substrates. The light is then quantified in the EnSURE™ and EnSURE™ Touch luminometers.

- Same-day results
- Tests a wider dynamic range than traditional testing methods
- AOAC-RI Performance Tested Method<sup>SM</sup> #071302



## MicroSnap™

**COLIFORM**



Qty: 100

Catalog No: MS1-CEC Enrichment Device

Catalog No: MS2-COLIFORM  
Detection Device

Catalog No: MS1-N-BROTH-9ML  
Enhanced Nutrient Broth

Catalog No: MS1-EB-BROTH-9ML  
Enhanced EB Broth

MicroSnap™ Coliform is a rapid test for detection and enumeration of Coliform bacteria. The test uses a novel bioluminogenic test reaction that generates light when enzymes that are characteristic of Coliform bacteria react with specialized substrates. The light is then quantified in the EnSURE™ and EnSURE™ Touch luminometers.

- Faster results than traditional testing methods
- AOAC-RI Performance Tested Method<sup>SM</sup> #071302



## MicroSnap™

Coliform & *E. coli*  
Enrichment Broth



Qty: 100

Catalog No: MS1-CEC-BROTH-2ML

MicroSnap™ Coliform & *E. coli* Enrichment Broth (2mL) is designed for testing large-volume filterable liquids such as water and beverages where low-level contamination with Coliform bacteria is a concern. The Enrichment Broth is used in conjunction with MicroSnap Coliform or *E. coli* Detection Devices and quantified in an EnSURE™ or EnSURE™ Touch luminometers. Single figure organisms can be detected in 8 hours, delivering results in the same working day or shift, so product can be released earlier, or corrective actions may be taken sooner.

- Same-day results
- AOAC-RI Performance Tested Method<sup>SM</sup> #071302
- Easy to read quantitative results with EnSURE™ and EnSURE™ Touch luminometers



## MicroSnap™

TOTAL



Qty: 100

Catalog No: MS1-TOTAL Enrichment Device

Catalog No: MS2-TOTAL Detection Device

Catalog No: MS1-N-BROTH-9ML  
Enhanced Nutrient Broth

MicroSnap™ Total delivers same-day TVC test results for gram-positive and negative bacteria, including *E. coli*, *Listeria*, *Shigella*, *Vibrio*, *Bacillus*, *Staphylococcus*, and *Pseudomonas*. The test uses a novel bioluminogenic test reaction that generates light when enzymes that are characteristic of viable bacteria react with specialized substrates. The light is then quantified with the EnSURE™ and EnSURE™ Touch luminometers.

- Faster results than traditional testing methods
- AOAC-RI Performance Tested Method<sup>SM</sup> #031501



## MicroSnap™

Enhanced Nutrient Broth

Qty: 100

Catalog No: MS1-N-BROTH-9ML

MicroSnap™ Enhanced Nutrient Broth is a ready-to-use, non-selective protein solution. The 9 mL broth volume enables low level enumeration of product samples with MicroSnap Total, Coliform, and *E. coli*.

- Ideal for milk samples
- 9 mL broth volume reduces interference from physical components in the sample
- Robust chemistry reduces interference from chemical interactions



# MicroSnap™

EB

MicroSnap™ EB is a rapid test for detection and enumeration of bacteria in the *Enterobacteriaceae* (EB) family, including: *E. coli*, *Klebsiella*, *Citrobacter*, *Enterobacter*, *Serratia*, *Shigella*, *Salmonella*, and *Yersinia*. The test uses a novel bioluminogenic reaction that generates light when enzymes that are characteristic of EB bacteria react with specialized substrates. The light is then quantified in the EnSURE™ and EnSURE™ Touch luminometers.

Qty: 100  
 Catalog No: MS1-EB Enrichment Device  
 Catalog No: MS2-EB Detection Device  
 Catalog No: MS1-EB-BROTH-9ML  
 Enhanced EB Broth

- Same-day results
- Tests a wider dynamic range than traditional testing methods



# MicroSnap™

Enhanced EB Broth

MicroSnap™ Enhanced EB Broth is a ready-to-use, non-selective protein solution. The 9 mL broth volume enables low level enumeration of product samples with MicroSnap EB, Coliform, and *E. coli*.

Qty: 100  
 Catalog No: MS1-EB-BROTH-9ML

- Ideal for milk samples
- 9 mL broth volume reduces interference from physical components in the sample
- Robust chemistry reduces interference from chemical interactions



## BAX® System X5

### Molecular PCR Pathogen Detection

Catalog No: MCH2007

Designed with smaller laboratories in mind, the BAX® System X5 offers the same accurate and reliable DNA-based pathogen detection technology as the BAX® System Q7 with a smaller footprint. Find a complete list of validated matrices and surface types at [www.hygienea.com](http://www.hygienea.com).

- Convenient 32-well format
- Includes all ancillary equipment, along with new fully automated Hygienea Thermal Block for simplified workflow
- Comprehensive catalog of validated matrices and assays
- Major assays for top safety concerns:
  - Genus *Listeria*      • *L. monocytogenes*
  - *E. coli* O157:H7      • *Salmonella*

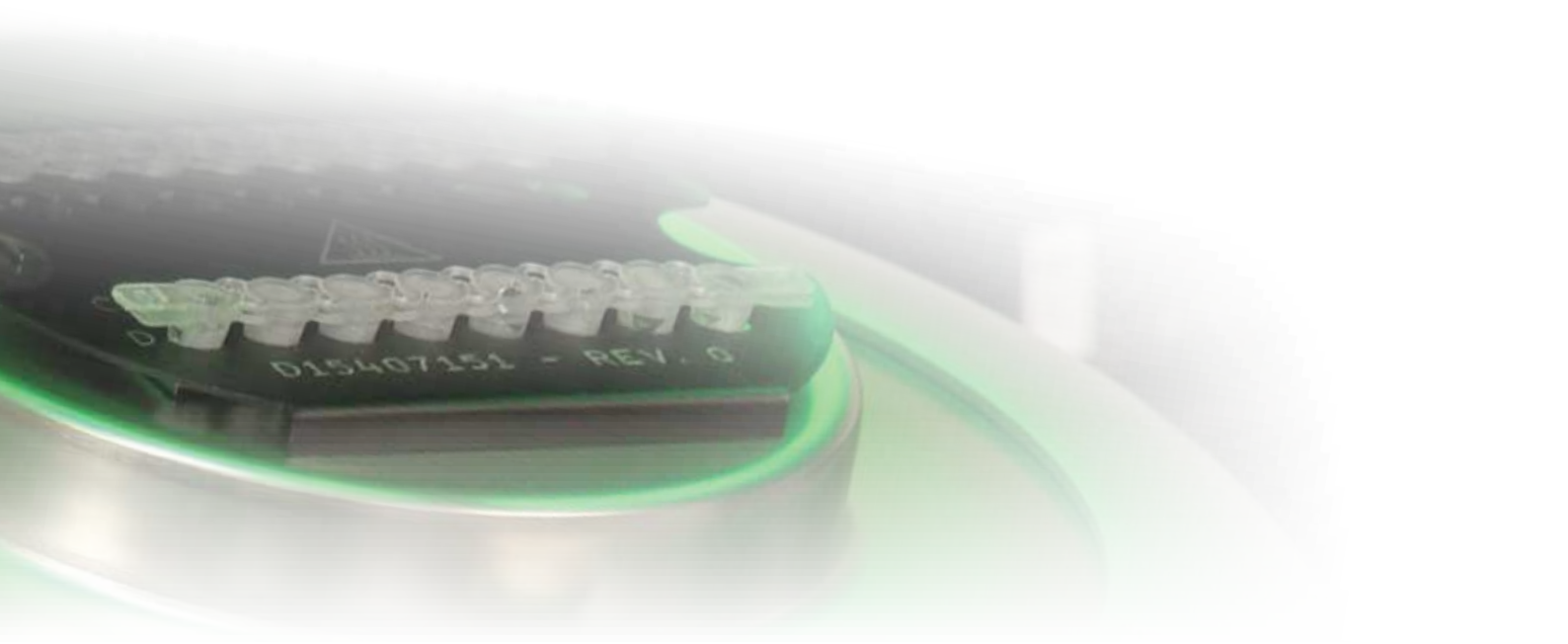


#### BAXApp

Review your BAX® System results on your smartphone or tablet with the free BAXApp. GooglePlay • AppStore



Please see [hygienea.com](http://hygienea.com) for additional ordering information.



# BAX® System X5

Formatted specifically for the BAX® System X5 instrument, these core assays (Genus *Listeria*, *L. monocytogenes*, *E. coli* O157:H7, *Salmonella*) detect foodborne pathogens from a variety of enriched samples, including meat, poultry, fish, seafood, fruit, vegetables, dairy, and environmental surfaces.

- **Speed** - Sample prep, amplification, and end-point detection in under 5 hours
- **Confidence** - Built-in positive control for rapid, reproducible results
- **Ease of Use** - Does not require advanced training or skill level
- **Convenience** - Prepackaged PCR tablets for consistency, stability, and reduced operator error

Qty: 64

Catalog No: KIT2024 Genus *Listeria*

Catalog No: KIT2023 *L. monocytogenes*

Catalog No: KIT2022 *E. coli* O157:H7

Catalog No: KIT2025 *Salmonella*



AOAC PTM, AFNOR, and Health Canada

AOAC PTM, AFNOR, and Health Canada

AOAC PTM, and AFNOR

AOAC PTM, and AFNOR

## START-UP PACKAGE

- Heating & cooling blocks • Capping/decapping tools
- Cluster tubes and holders • Pipettes and tips • User documentation



Find a complete list of test kits, global validations and approvals at [www.hygiena.com](http://www.hygiena.com)

## Enrichment Media

These bulk powder media are available to customers that want to take full advantage of the speed, flexibility, and convenience that select BAX® System assays have to offer.

Qty: 2.5 kg  
Catalog No: MED2002  
BAX® System Listeria Media

Qty: 2.5 kg  
Catalog No: MED2005  
Oxoid™ 24LEB Complete

Qty: 2.5 kg  
Catalog No: MED2003  
BAX® System MP Media

Qty: 2.5 kg  
Catalog No: MED2010  
Hygiena Dehydrated Culture Media (BPW)

### BAX® System MP Media

- Optimized for the rapid growth of pathogenic *E. coli* and *Salmonella*

### Hygiena Dehydrated Culture Media (Buffered Peptone Water)

- Standard media for the enrichment of *Salmonella*, *Cronobacter*, and other microbes

### BAX® System Listeria Enrichment Media

- Enables next-day results for environmental samples tested with the BAX® System PCR Assay for Genus *Listeria*

### Oxoid™ 24 LEB Complete

- Supplying optimal growing conditions for the selective enrichment of *Listeria monocytogenes* and other *Listeria* spp.



## Lateral Flow System

Qty: 50  
Catalog No: KIT2028 LFS *E. coli* O157 Kit

Qty: 45  
Catalog No: KIT2037 LFS *Listeria* Kit

Qty: 50  
Catalog No: KIT2038 LFS *Salmonella* Kit

The **Lateral Flow System** is a cost-effective way to screen a wide variety of matrices for pathogens and get results faster than using conventional cell culture. Used for *E. coli* O157:H7, *Salmonella*, and *Listeria*, the system wicks the test strip by capillary action. In 10 minutes, two red lines appear if the target pathogen is present.

- Rapid, easy-to-interpret results for fast decision making
- Simplified workflow that does not require advanced training
- Long shelf-life, easy to store, and minimal waste production

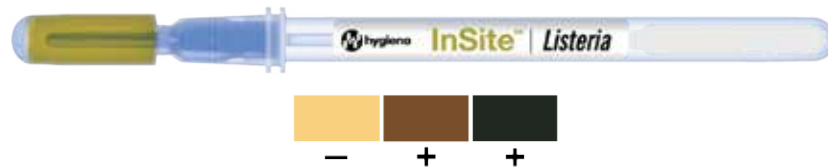


## InSite™ | *Listeria*

InSite™ *Listeria* is an easy-to-use, self-contained, environmental *Listeria* species test. Each device contains a chromogenic liquid media formulated with antibiotics, growth enhancers, and color-changing compounds specific to *Listeria*. Simply swab the test area, incubate, and wait.

- Presumptive positive in 24 hours, negative results given in 48 hours  
Confirm on Hygiena BAX System
- Easier to use than other testing methods
- Luminometer not required

Qty: 50  
Catalog No: IL050  
Qty: 100  
Catalog No: IL100



## InSite™ | *L. mono Glo*



InSite™ *L. mono Glo* is an easy-to-use, self-contained, environmental sampling and screening test for *Listeria* species and *Listeria monocytogenes* (*L. mono*). Each device contains a chromogenic liquid media formulated with antibiotics, growth enhancers, and color-changing compounds specific to *Listeria* plus fluorescent compounds specific to *Listeria monocytogenes*. The two-step test changes color in the presence of *Listeria* species, while illumination with UV light reveals the presence of *L. mono*.

- Easier to use than other testing methods
- UV fluorescence indicates pathogenic *Listeria*
- AOAC-RI Performance Tested Method<sup>SM</sup> # 061802
- Luminometer not required

Qty: 50  
Catalog No: ILMG050

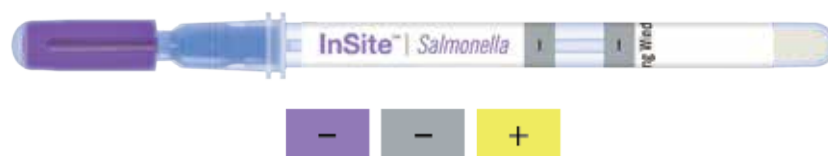


## InSite™ | *Salmonella*

InSite™ *Salmonella* is an easy-to-use, self-contained, environmental *Salmonella* species test. Each device contains a chromogenic liquid media with antibiotics, growth enhancers, and color-changing compounds specific to *Salmonella*.

- Presumptive positive in 24 hours, negative results given in 48 hours
- Easier to use than other testing methods
- Luminometer not required

Qty: 50  
Catalog No: IS050



## Digital Dry Block Incubators

The Digital Dry Block Incubator is designed for Hygiena’s variety of test devices. The incubators can be set to any temperature required for Hygiena products, and are capable of up to 105 °C. Interchangeable blocks (sold separately) for the Lab Format Incubator are independently heated, allowing the blocks to be held at different temperatures.

- Auto-stop and sound alerts assist in perfect incubation time
- Flexible configuration accommodates swab test devices or larger tubes
- Heats to maximum temperature in 15 minutes
- Wide, digitally-controlled temperature range (RT+5°C to 105°C)

Catalog No: INCUBATOR  
Small Format Digital Dry Block Incubator

Catalog No: INCUBATOR 2  
Lab Format Digital Dry Block Incubator

Catalog No: IB001  
35 Wells Hygiena Swab Tube Block

Catalog No: IB002  
15 wells Hygiena Vial Tube Block

Catalog No: IB003  
12 Wells Hygiena Swab Tube Block

Catalog No: IB004  
6 Wells Hygiena Vial Tube Block

INCUBATOR2



INCUBATOR



IB001



IB002



IB003



IB004

Incubators and heat blocks are sold separately

## Automated Thermal Block

The Hygiena Automated Thermal Block is an automated heating and cooling device that is programmed to perform the lysis steps of BAX® System protocols. By automatically providing sequential heating and cooling conditions, the Hygiena Thermal Block eliminates the need to manually transfer samples between separate heating and cooling blocks. At the end of each lysis program, the block holds the samples at 4°C until you remove them.

Catalog No: DMCH2023  
Automated Thermal Block



## Stick Sponge™

Qty: 100

### Polyurethane

Catalog No: SS100NBP

10mL Neutralizing Buffer

Catalog No: SS100NBPG

10mL Neutralizing Buffer with gloves

### Cellulose

Catalog No: SS100BPWP

10mL Buffered Peptone Water

Catalog No: SS100BPWPG

10mL Buffered Peptone Water with gloves

Catalog No: SS100LETP

10mL Lethen Broth

Catalog No: SS100LETPG

10mL Lethen Broth with gloves

Stick Sponge™ is a biocide-free polyurethane & cellulose sponge attached to a plastic handle and supplied in a sterile, leak-proof bag. Stick Sponge™ allows collection of a sample without directly handling the sponge, making it easier to reach into drains, pipes, and around equipment.

- Pre-moistened sample collection
- Leak-proof, tie-off bag is easy to open
- Optional sterile gloves





# CERTIFICATION

## AOAC® Performance Tested<sup>SM</sup>

Certificate No.

**101803**

The AOAC Research Institute hereby certifies the test kit known as:

### Hygiena UltraSnap ATP Kit

manufactured by

**Hygiena LLC**

**941 Avenida Acaso**

**Camarillo, California 93012**

**USA**

This method has been evaluated in the AOAC® Performance Tested Methods<sup>SM</sup> Program and found to perform as stated by the manufacturer contingent to the comments contained in the manuscript. This certificate means that an AOAC® Certification Mark License Agreement has been executed which authorizes the manufacturer to display the AOAC Performance Tested<sup>SM</sup> certification mark along with the statement - "THIS METHOD'S PERFORMANCE WAS REVIEWED BY AOAC RESEARCH INSTITUTE AND WAS FOUND TO PERFORM TO THE MANUFACTURER'S SPECIFICATIONS" - on the above mentioned method for a period of one calendar year from the date of this certificate (December 03, 2019 – December 31, 2020). Renewal may be granted at the end of one year under the rules stated in the licensing agreement.

*Scott Coates*

Scott Coates, Senior Director  
Signature for AOAC Research Institute

December 03, 2019  
Date

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Internet e-mail: [aoacri@aoac.org](mailto:aoacri@aoac.org) \* World Wide Web Site: <http://www.aoac.org>



# CERTIFICATION

## AOAC® Performance Tested<sup>SM</sup>

Certificate No.

**031501**

The AOAC Research Institute hereby certifies the test kit known as:

### MicroSnap Total

manufactured by

**Hygiena LLC.**

**941 Avenida Acaso**

**Camrillo, California**

**USA**

This method has been evaluated in the AOAC® Performance Tested Methods<sup>SM</sup> Program and found to perform as stated by the manufacturer contingent to the comments contained in the manuscript. This certificate means that an AOAC® Certification Mark License Agreement has been executed which authorizes the manufacturer to display the AOAC Performance Tested<sup>SM</sup> certification mark along with the statement - "THIS METHOD'S PERFORMANCE WAS REVIEWED BY AOAC RESEARCH INSTITUTE AND WAS FOUND TO PERFORM TO THE MANUFACTURER'S SPECIFICATIONS" - on the above mentioned method for a period of one calendar year from the date of this certificate (December 03, 2019 – December 31, 2020). Renewal may be granted at the end of one year under the rules stated in the licensing agreement.

*Scott Coates*

Scott Coates, Senior Director  
Signature for AOAC Research Institute

December 03, 2019  
Date

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Internet e-mail: [aoacri@aoac.org](mailto:aoacri@aoac.org) \* World Wide Web Site: <http://www.aoac.org>

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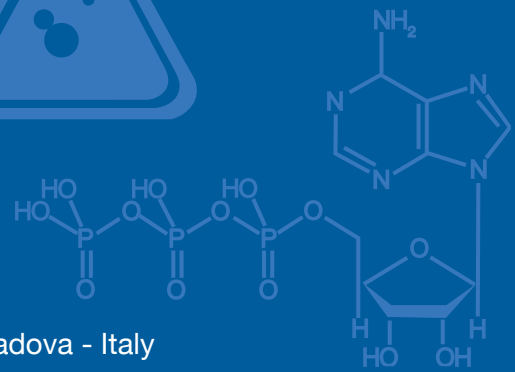
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**Biogenetics**  
Diagnostics s.r.l.



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