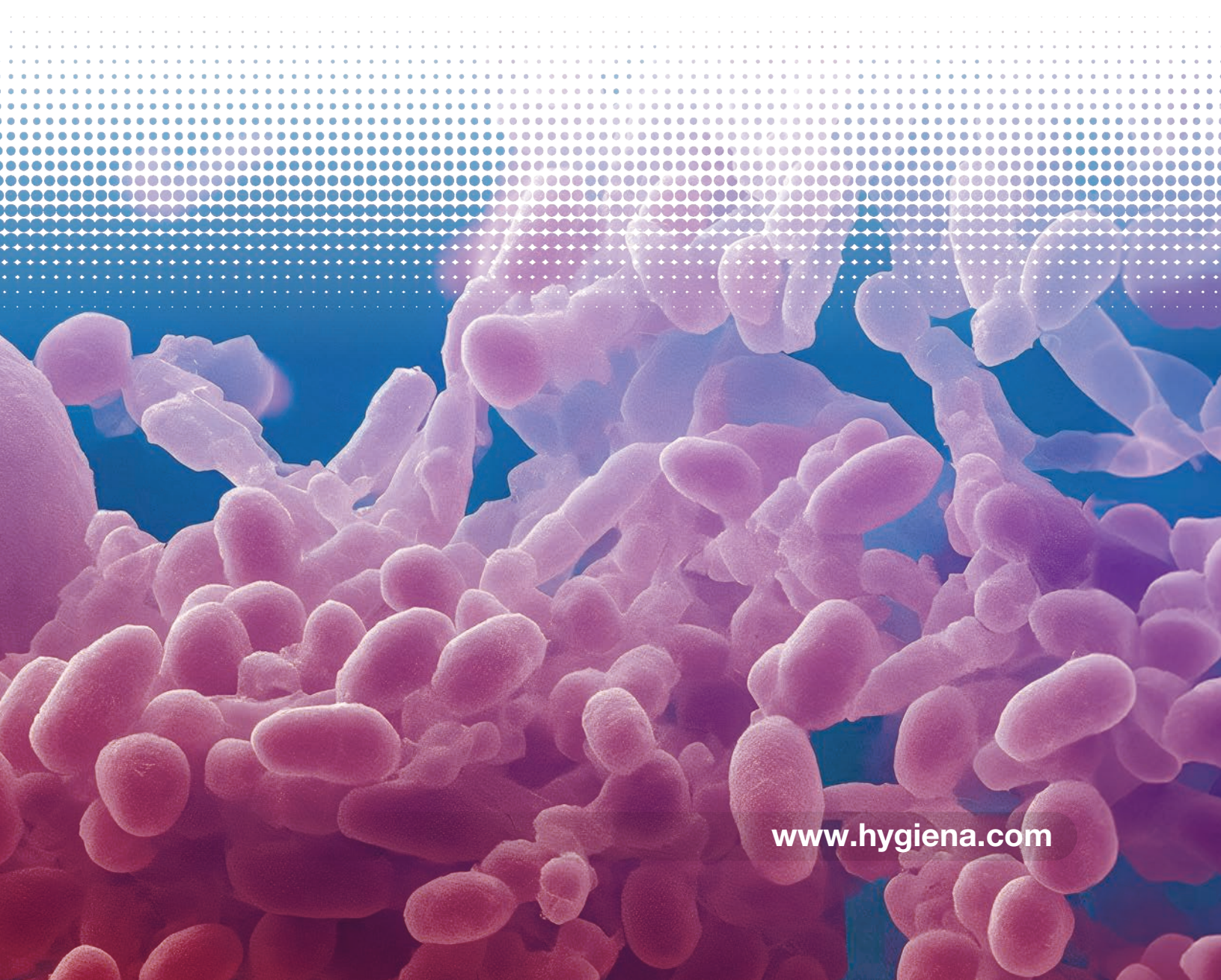




MicroSnap[®]

Rapid Microorganism Enumeration



www.hygiena.com



Contents

Product Overview..... 3

Comprehensive In-House Testing 4

MicroSnap®

Rapid Microbial Testing for Diverse
Applications..... 5

Available Tests:

Total (Total Viable Count) 5

Enterobacteriaceae 5

Coliform 5

E.coli 5

Method Comparison

Speed & Data Advantages..... 6 - 7

Precision & Accuracy 8 - 9

Operational Excellence

SureTrend® Data Analytics 10

Innovative Environmental Monitoring... 11

EnSURE® Touch Monitoring System..... 12

Catalog Numbers 13

Rapid Results. Confident Decisions. Uncompromised Food Safety.

When it comes to quantitative microorganism testing, traditional methods simply can't keep pace with the speed and efficiency demands of modern food production. You need fast, accurate results to streamline processes, reduce costs and release safe products sooner.

MicroSnap® provides the actionable data you need to maximize efficiency and protect your brand. Our innovative technology delivers quantifiable results in as few as 6 hours - that's up to 6 times faster than other available methods.

The MicroSnap system streamlines microbial testing through an innovative two-device design combining user-friendly bioluminescent technology

with quick enumeration capabilities. Validated by **AOAC RI** and powered by the **EnSURE® Touch** luminometer, you'll gain precise, accurate results with minimal handling.

Leverage the power of connected data with automatic result syncing to Hygiena's **SureTrend®** software. Easily monitor, trend and analyze test data to drive proactive risk reduction.

The combination of MicroSnap, EnSURE Touch and SureTrend enables proactive prevention of food safety issues and strengthens your brand reputation – a true revolution in environmental monitoring powered by Hygiena's innovative solutions.

Microorganism Testing Methods



	Traditional Methods	MicroSnap
Rapid Results	-	+
Labor and Material Savings	-	+
Wide Dynamic Range	-	++
Probability of Detection	-	+
Precision & Accuracy	+	++
Easy to Use	-	+

Comprehensive In-House Testing for Total Quality Assurance

Raw Material Testing

Screen for microbiological contamination before materials go into processing.

- Prevent contaminated raw materials from entering production
- Avoid costly hold times that shorten raw material shelf life
- Prevent equipment down time and lost earning potential
- Quickly verify Certificates of Analysis on raw materials
- Move materials into production sooner to return investment faster



Environmental Monitoring

Test environmental surfaces and equipment for same-day bacterial results of plant hygiene.

- Prevent environmental contamination from affecting several days' worth of production output
- Rapidly evaluate the effectiveness of cleaning and sanitation
- Show due diligence to auditors and customers
- Identify and troubleshoot problem areas in hours versus days
- Reduce outside laboratory costs by processing samples in-house



Finished Product Testing

Verify microorganism levels sooner for quicker release and better quality assurance.

- Release time-sensitive products sooner
- React to contamination before product ships
- Prevent costly recalls
- Protect your brand name and reputation
- Test finished products in-house to cut outside laboratory costs



MicroSnap®

Diverse Applications, One Rapid Testing Solution

MicroSnap is a rapid microbial testing system that delivers quantitative results for a wide range of sample types, including liquid, solid and surface samples. This innovative system offers a comprehensive solution for detecting and

enumerating key indicator organisms, such as **Coliform**, ***E. coli***, **Enterobacteriaceae (EB)**, and **Total Viable Count (Total)**, in a fraction of the time required by traditional methods.

1 SWAB

Swab the surface using the pre-moistened swab



2 INCUBATE

Incubate the device for 6 or 7 hours, depending on the required precision



3 TRANSFER

Transfer sample to Detection device and activate with snap-valve



4 ANALYZE

Insert the activated device into EnSURE Touch and read results in 10 seconds



Benefits

- Simple-to-use enrichment and detection devices
- Rapid test for surface, liquid and solid product samples
- Results in as few as 6 hours
- Automated CFU counting with seamless data sync
- MS1-TOTAL/ MS2-TOTAL - AOAC-RI #031501
- MS1-CEC/ MS2-COLIFORM - AOAC-RI #071302
- MS1-CEC/ MS2-ECOLI - AOAC-RI #071302

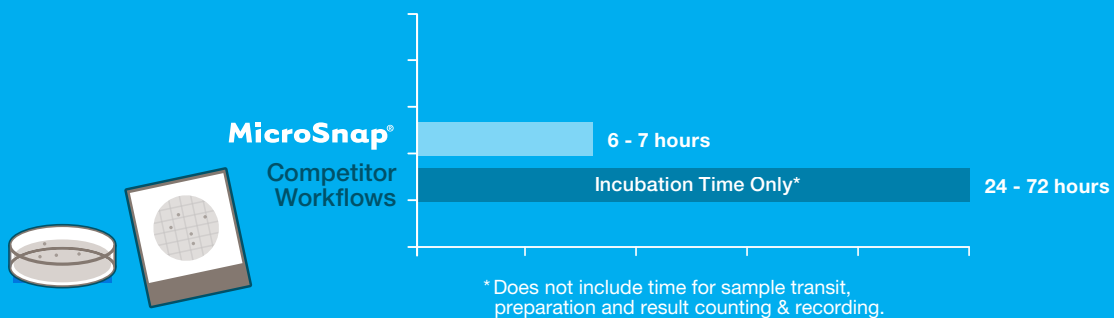
Faster Decisions for Proactive Quality Controls

Results Up to 6X Faster Than the Competition

Most methods require 24 - 72 hours of incubation. In today's production environment, that's an unacceptable and costly delay jeopardizing efficiency and food safety. MicroSnap's innovative and future-forward capabilities renders traditional

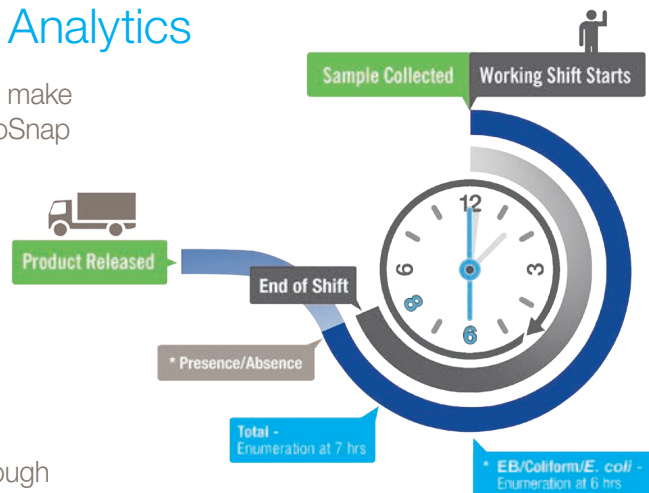
methods obsolete. With MicroSnap, you can identify and mitigate risks in a fraction of the time required by conventional methods. Rapidly validate preventive controls and hygiene monitoring to protect your brand reputation and the integrity of your products.

Method Comparison: Time-to-Decision



Real-time Alerts & Data Analytics

Experience the power of rapid results and make informed decisions with confidence. MicroSnap provides the speed, accuracy and data connectivity you need to stay ahead of potential quality issues and protect your brand.



Modernizing Microbial Data Management

Traditional methods leave you wading through disjointed data sources and cumbersome processes. MicroSnap revolutionizes microbial testing intelligence with automated data consolidation and seamless software integration. Centralized analytics unlock insights overlooked by antiquated approaches, accelerating decision-making powered by a unified data ecosystem.





Automated Precision vs. Subjective Guesswork

The EnSURE Touch system is the perfect companion to the MicroSnap workflow. This state-of-the-art instrument is designed to detect the ultra-sensitive light output from a highly-specific bioluminescence reaction, ensuring accurate and reliable enumeration of the target organisms. With a wide dynamic range and advanced algorithms, the EnSURE Touch provides precise results in CFUs across a broad spectrum of contamination levels.

- Handheld, portable and small footprint
- Automated counting in 10 seconds
- Precise, reliable results using a biochemical technology
- Integrated data recording and analytics via SureTrend



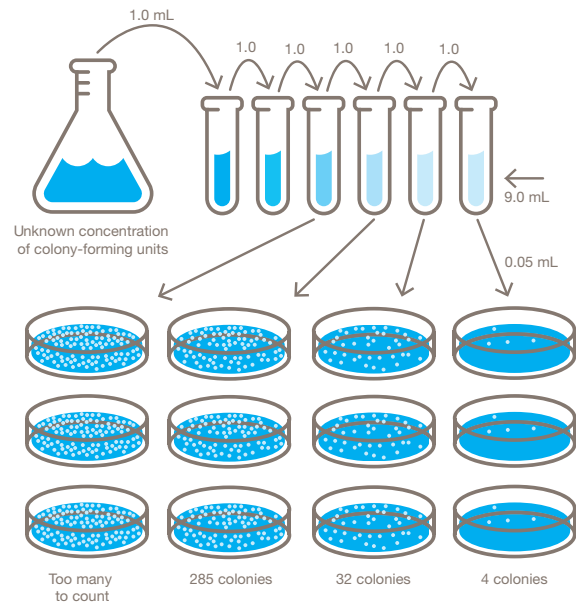
Inefficiencies of “Rapid” Plate Methods

- Minimum 24 hours of incubation time
- Minimum 1 – 2 minutes per plate for manual counting
- Additional equipment required for automated counting
- Multiple plates required per sample for reliability
- Increased risk of contamination

Additional Drawbacks of “Rapid” Plate Methods

In addition to being slow and error-prone, the plating method requires investing in equipment like colony counters, plate spiralizers and resources for preparing volumes of media ahead of time. All of these factors drive up the cost and operational burden of conventional methods.

- Secondary collection devices
- pH adjustments
- Pipetting
- Sample loss
- Interpretation guides
- Hand-counts, additional lighting, counting equipment
- Setting in duplicate/triplicate
- Bulky, expensive equipment



MicroSnap® Unleash Sustained Profitability

- + Lower average cost per test
- + Redução dos custos de mão de obra, materiais e equipamentos
- + Aumento da capacidade de produção
- + Identificação rápida de problemas
- + Ações corretivas pró-ativas
- + Atribuição otimizada de recursos
- + Tempos de espera mais curtos



SureTrend® Data Analytics

All Your Food Safety Data in One Platform

SureTrend is designed to be your central hub for all food safety data. The platform seamlessly integrates Hygiena's testing devices and other data

sources, allowing you to consolidate and manage your HACCP, environmental monitoring program and any operational data in one place.



10]

The Path to Data-Driven Quality Excellence

- Automate data sync, reduce errors, consolidate data sources
- Build tailored reports for trend analysis, compliance and improvement
- Transform complex data into actionable insights via charts/dashboards
- Identify issues early with real-time alerts for rapid response
- Manage multi-site, compare results and identify best practices

EnSURE Touch is Designed to Work with SureTrend

- Automatically sync test results and device data
- Access real-time insights and trend analysis across multiple facilities
- Set up customizable alerts and notifications for out-of-spec results
- Generate comprehensive reports for audits and compliance purposes
- Manage user access, testing plans, and device settings remotely





One Connected Platform for All Environmental Monitoring

Hygiena Innovation Delivers

- **Comprehensive Test Coverage—**
Cover all your bases with Hygiena's extensive range of diagnostic tests
- **Streamlined Workflows—**
Integrate and standardize environmental monitoring across all test types
- **Rapid, Accurate Results—**
Accelerate decisions with MicroSnap and other Hygiena rapid solutions
- **Real-Time Visibility—**
Identify potential contamination risks quickly for swift corrective actions
- **Unified Data Management—**
Consolidate and manage all food safety data within SureTrend platform
- **Actionable Insights—**
Utilize powerful analytics to assess risks and drive improvements





EnSURE® Touch

The Next-Generation Quality Monitoring System

Introducing EnSURE Touch, a cutting-edge system designed to streamline your environmental monitoring program. This user-friendly device works seamlessly with MicroSnap and other Hygiena tests to provide rapid, accurate results for a wide range of contaminants.

Intuitive Touchscreen Interface

Rapid Bioluminescence Detection

Wireless Data Sync

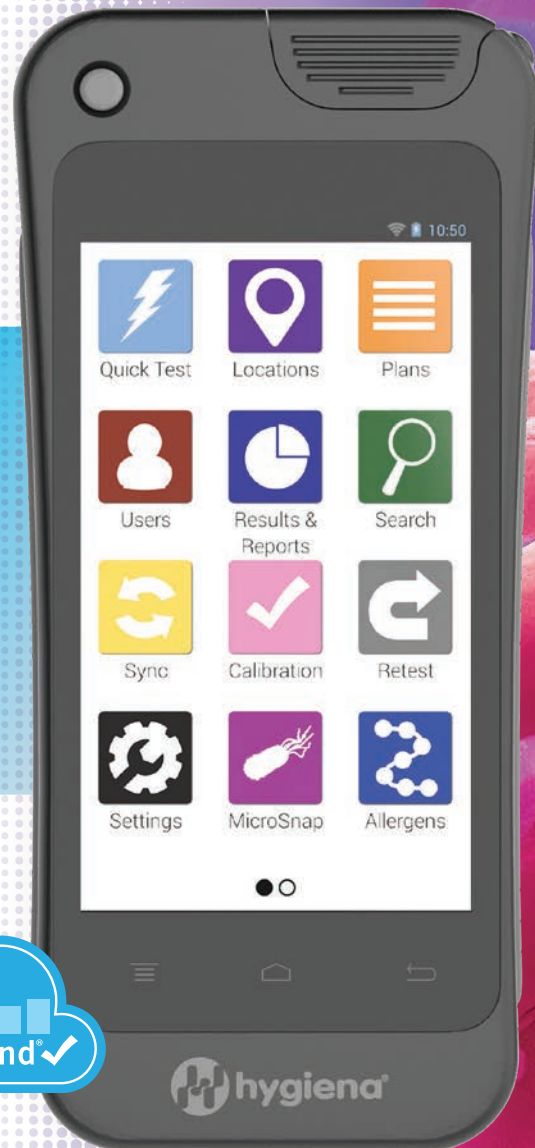
Easy Test Navigation

Effortless Test Execution

Compact & Portable Design

Features & Benefits

- Rapid and accurate testing for bacteria, pathogens, enzymes and indicator organisms
- Real-time monitoring allows quick response to issues
- Wireless connectivity and automatic data syncing with SureTrend data platform
- User-friendly design, like a smartphone, with a large touchscreen display
- Manage user access, testing plans and device settings remotely
- Easy grouping of testing locations into plans and randomization of test locations
- No need to send out for re-calibration when paired with CalCheck



MicroSnap® Total (Total Viable Count)



Detection Times:
Enumeration - 7 hours

Ref No:
Enrichment Device - MS1-TOTAL
Detection Device - MS2-TOTAL
Enhanced Nutrient Broth - MS1-N-BROTH-9ML

MicroSnap® EB (Enterobacteriaceae)



Detection Times:
Enumeration - 6 - 7 hours
Presence/Absence - 8 hours

Ref No:
Enrichment Device - MS1-EB
Detection Device - MS2-EB
Enhanced EB Broth - MS1-EB-BROTH-9ML

MicroSnap® Coliform



Detection Times:
Enumeration - 6 hours
Presence/Absence - 8 hours

Ref No:
Enrichment Device - MS1-CEC
Detection Device - MS2-COLIFORM
Enhanced Nutrient Broth - MS1-N-BROTH-9ML
Enhanced EB Broth - MS1-EB-BROTH-9ML

MicroSnap® E. coli



Detection Times:
Enumeration - 6 hours
Presence/Absence - 8 hours

Ref No:
Enrichment Device - MS1-CEC
Detection Device - MS2-ECOLI
Enhanced Nutrient Broth - MS1-N-BROTH-9ML
Enhanced EB Broth - MS1-EB-BROTH-9ML

EnSURE Touch

Ref No: ETOUCH

EnSURE Touch Charging Dock
Ref No: ASY0505



CalCheck - LED Calibration Verification Device



Ref No: CAL

Digital Dry Block Incubators

16 - 35 Well

6 - 12 Well

Ref No: INCUBATOR2

Ref No: INCUBATOR



Additional Supported Tests

- **AllerSnap®** - Sensitive surface test for detecting protein residues left behind after cleaning
- **AquaSnap®** - Water ATP test for monitoring bio-mass and organic residue in liquid samples & CIP
- **CrossCheck ACP** - Acid phosphatase test for monitoring cooking efficiency and food safety
- **SuperSnap®** - High-sensitivity ATP test for allergen prevention and high-risk areas
- **UltraSnap®** - Surface ATP test for verifying sanitation effectiveness
- **ZymoSnap ALP** - Alkaline phosphatase test for verifying milk pasteurization effectiveness



One Health Diagnostics®



If you have any questions, visit: hygiena.com/microsnap

Global Offices

Australia | Brazil | Canada | China | France | Germany
Mexico | Singapore | Spain | United Kingdom | USA

www.hygiena.com

