

# RiboFlow<sup>®</sup>

BIOMOLECULAR  
PATHOGEN DETECTION

**AWARD WINNING  
TECHNOLOGY**



- Reliable
- Simple
- Rapid
- Safe
- Economic

AVAILABLE

# RiboFlow® TEST SYSTEMS

**RiboFlow®** – Salmonella

**RiboFlow®** – Cronobacter

**RiboFlow®** – Listeria Twin  
(*Listeria* spp. and  
*L. monocytogenes*  
combitest)

**RiboFlow®** – Campylobacter

**RiboFlow®** – *Vibrio parahaemolyticus*

**RiboFlow®** – *Staphylococcus aureus*

**RiboFlow®** – Enterobacteriaceae

**RiboFlow®** – *E. coli*

**RiboFlow®** – *Pseudomonas aeruginosa*

**RiboFlow®** – *Candida albicans*

**RiboFlow®** – Cosmetics



STARTING MATERIAL

- **Enrichment cultures according to product specification**
- **Isolated colonies from (selective-) agar plates**

# MOLECULAR FLOW BASED PATHOGEN DETECTION

SY-LAB's RiboFlow® technology signals relevant bacterial contamination on-site – early, quickly, and reliably reducing the need for sophisticated sampling and amplification techniques.

Rapid results are critical when testing for harmful pathogens in foods, toiletries and cosmetics. RiboFlow® technology represents a new, sensitive and user-friendly class of diagnostics:

Molecular Flow-Based Detection. The unique horizontal flow technology allows for the specificity of PCR tests, but with the ease of use associated with lateral flow assays. The result is an effective and rapid system that minimizes sample preparation, speeds time to results, and

provides easy to interpret data for the end user.

The RiboFlow® technology is an advance over current diagnostic capabilities, providing molecular results in an easy to use format and without sophisticated sample preparation steps.

NO gels, NO expensive instrumentation, NO inconclusive and difficult to interpret results.

Fast, easier, and more affordable than conventional molecular tests – SY-LAB's RiboFlow® Technology is the next generation in powerful diagnostic tools helping manufacturers and government regulators to keep the global food and toiletry supply safe.



simple testing



reduced workload



rapid process intervention

# YOUR BENEFITS

- **RELIABLE**

- proven biomolecular technology
- novel rRNA based highly specific pathogen detection system

- **SIMPLE**

- simple to perform
- no sophisticated instrumentation necessary

- **RAPID**

- results available in < 30 minutes

- **SAFE**

- unsurpassed specificity
- only viable microbes detected

- **ECONOMIC**

- no capital costs
- minimal hands on time
- affordable assay costs
- stable at ambient temperature



simple documentation



rapid results



earlier product release

# TEST PROCEDURE

## 1) CENTRIFUGATION

(only for liquid enrichments)

## 2) LYSIS, DENATURATION AND NEUTRALISATION

of released nucleic acids

## 3) SAMPLE APPLICATION AND INCUBATION

transfer lysate to a RiboFlow test device  
and incubate at 48°C for 15 minutes

## 4) RESULT

visual evaluation and photographic documentation



Fig:  
negative test result (l.)  
positive test result (r.)

# RiboFlow®

## ACCESSORIES

- **Mini-Incubator IL 10**
- **Thermo-Manipulation Plate**
- **Microcentrifuge**



# SY-LAB

WE DEVELOP **SOLUTIONS**  
FOR A **SAFER FUTURE**

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