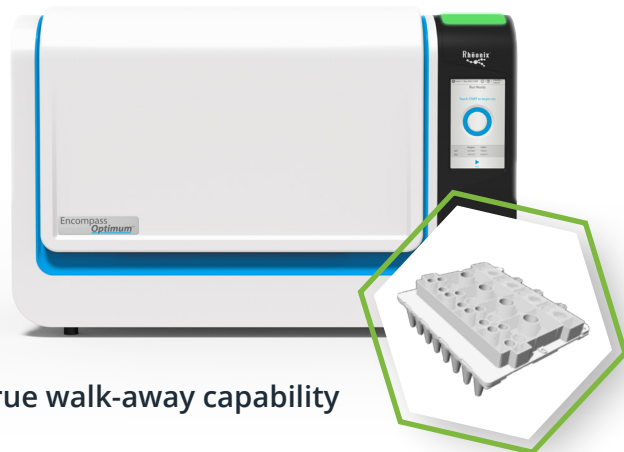# FULLY AUTOMATED HIGHLY MULTIPLEXED MOLECULAR TESTING SYSTEM

Getting more information from your sample has **never been easier.**

RHEONIX FOOD AND BEVERAGE TESTING SOLUTION

✓ Fully automated sample-to-answer system

✓ Integrated sample preparation and detection

✓ Single pipette step

✓ Detects up to 22 targets per sample

Rheonix Encompass Optimum™ Workstation

True walk-away capability

Easy-to-use, fully automated system reduces labor and laboratory costs

- No technical training required
- 15-minute hands-on time
- User-friendly, intuitive software

Fully integrated system improves accuracy and reliability

- Automated sample preparation and detection reduces error
- Microfluidic sample preparation reliably processes difficult food matrices
- Sample preparation system removes PCR inhibitors and concentrates DNA, leading to higher sensitivity

Highly multiplexed assay provides more information per sample

- Simultaneously detects up to 22 targets per sample
- Can detect genus, species, strains and virulence factors in a single assay
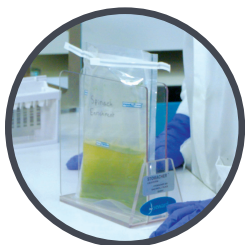
RhēoniX®

MOLECULAR TESTING MADE EASY

Highly multiplexed assays and open platform provide broad testing capabilities in order to:

- Combine targets such as *Salmonella, Listeria monocytogenes, Listeria* spp., *Staphylococcus aureus, Cronobacter,* STEC, generic *E. coli* and other organisms in a single assay to address the needs of individual market segments

- Detect a wide variety of food and beverage spoilage-associated genetic targets. Rheonix Beer SpoilerAlert™ assay detects 11 fungal and bacterial targets at the genus, species and spoilage gene level

- Accommodate user-designed assays on the Encompass Optimum™ workstation's open platform

FULLY AUTOMATED FOOD TESTING WORKFLOW

ENRICH SAMPLES
Enrich samples using standard enrichment protocol

TRANSFER SAMPLES
Transfer up to 24 samples to sample rack and load into workstation

PRESS "START"
Select desired assay, press "Start" and walk away

REVIEW RESULTS
Easy-to-read report shows presence or absence of targets in each sample