RAPID SALMONELLA TESTING

Solus *Salmonella* ELISA
Assay and Automated Workflow Package

BIOING

PerkinElmer®
For the Better

EFFICIENT SALMONELLA TESTING – RESULTS AVAILABLE IN 39 HOURS

MULTIPLE MATRICES CAN BE TESTED USING A SINGLE ASSAY

Rapid, accurate analysis for food and environmental samples

Efficiency Made Simple

In a fast-paced food testing lab like yours, it's crucial to have easy-to-use, cost-effective, efficient methods for detecting *Salmonella* in food and environmental samples.

Our Solus *Salmonella* ELISA kit is versatile and can be used manually or in conjunction with automation. It's robust, reliable and certified by AOAC Performance Tested Method program and NF VALIDATION by AFNOR Certification to ISO 16140.

Our test system is perfect for labs looking to achieve higher sample throughput, improved laboratory workflow, reduced technician time, and increased capacity for testing.

Solus *Salmonella* ELISA

Solus *Salmonella* ELISA Benefits

Rapid Results

- Results available in 39 hours
- Two hours to presumptive negative/positive results post selective enrichment

Cost Effectiveness

- Increased laboratory efficiency
- Reduced demand on resources
- Reduced waste

Efficiency

- High efficiency when automated
- Significantly reduced technician time

Versatile

- Available in 96- or 480-well formats

Reliable

- Independent validation demonstrates high levels of sensitivity and specificity

HIGH THROUGHPUT – INCREASING EFFICIENCY

THE SYSTEM IS EASY TO USE AND TO IMPLEMENT

Solus *Salmonella* ELISA Workflow

Solus *Salmonella* ELISA automated process is carried out on a Dynex DS2 instrument. A single DS2 processes two 96-well plates simultaneously, generating results for up to 558 samples in an 8-hour shift.

Once the instrument is loaded, the technician can walk away for up to 2 hours during each run, providing time to carry out other essential laboratory tasks.

Dynex DS2

Ordering information

Product Code	Product Description	Pack Size
SAL-0096S	Solus *Salmonella* ELISA	96 wells
SAL-0480S	Solus *Salmonella* ELISA	480 wells
RVS001	Solus RVS Powder	500 g
MED017-10 kg	Buffered Peptone Water	10 kg
DS2000	DS2 Automation	1

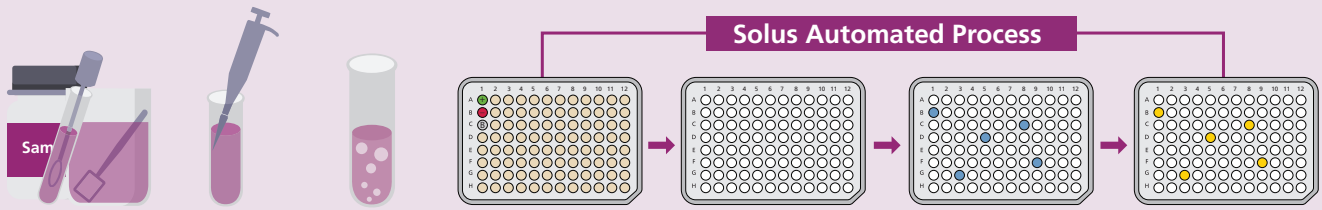
PERFORMANCE TESTED AOAC RESEARCH INSTITUTE LICENSE NUMBER 051601

Certified by the AOAC Performance Tested Method (PTM) program certificate number 051601 for the detection of *Salmonella*.

Validated to ISO 16140 and approved for use by AFNOR. Certificate number SOL 37/01-06/13.

NF VALIDATION EN ISO 16140

Test Methodology



STEP 1
Add sample to BPW and mix
Incubation: 37°C, 16-20 hrs.

STEP 2
Transfer 0.1 ml culture to RVS
Incubation: 41.5°C, 21-27 hrs.

STEP 3
Transfer 1 ml culture to boiling tube
Boil: 85-100°C, 15-20 min.

STEP 4
Pipette 100 µl sample into wells (plus controls)
Incubation: 37°C, 30 min.

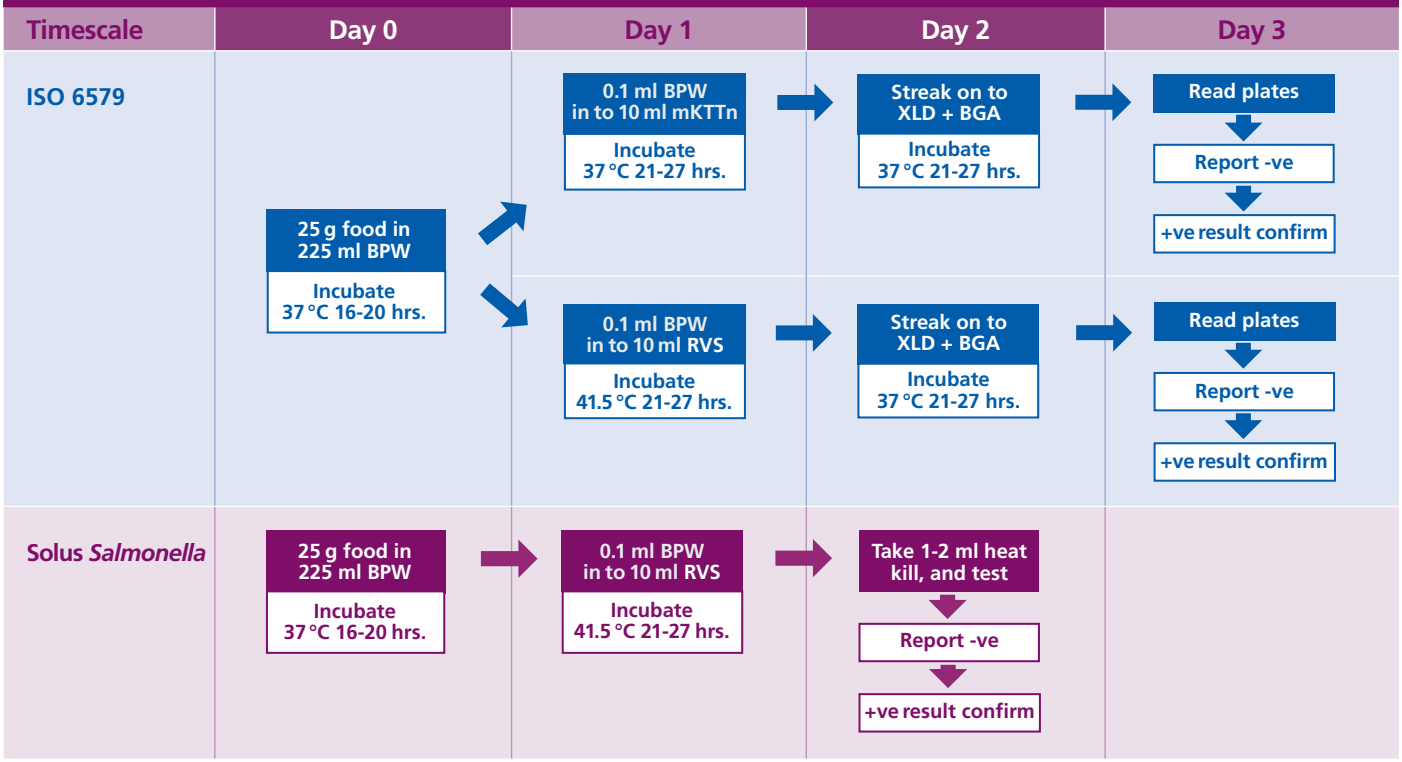
STEP 5
Wash plate and add 100 µl of conjugate
Incubation: 37°C, 30 min.

STEP 6
Wash plate and add 100 µl of substrate
Incubation: 20-25°C, 30 min.

STEP 7
Add 100 µl of stop solution
Read plate: 450 nm

Negative Control | Positive Control | B Blank Well | Sample wells | Positive (After Substrate Addition) | Positive (After Stop Solution Addition)

Workflow Comparison: Solus *Salmonella* vs ISO 6579



For sales and support contacts, please visit www.solusscientific.com

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