



## AUTOMATED SALMONELLA TESTING

WITH KYLT® SALMONELLA PURIFICATION HTP AND KYLT® SALMONELLA SPP. 2.0

### DNA EXTRACTION IN LOW TO MEDIUM THROUGHPUT

*Salmonella* testing accounts for 90 % of microbiological sample testing worldwide. The molecular detection method by qPCR is the much faster alternative to the traditional microbiological testing. For the PCR the DNA needs to be extracted from the sample. The method of manually extracting DNA from the pre-enrichment media is simple, effective, and highly sensitive. With increasing throughput, the amount of work and the duration of processing increases linearly and its efficiency diminishes.

### AUTOMATED PROCESS FOR HIGH THROUGHPUT DNA EXTRACTION

High throughput methods allow for the streamlined analysis of a huge number of tests. Kylv® developed a method and workflow that enables an automated process with a minimum of manual steps and unrivalled performance.

### KYLT® SOLUTIONS FOR AUTOMATED SALMONELLA TESTING

- High purity prevents inhibitions in qPCR
- Lower hands-on time, increasing lab productivity
- Easy to use protocol, with few manual steps
- Validated for all relevant sample matrices
- Faster *Salmonella* spp. screening

Preparation: 15 minutes for 96 samples

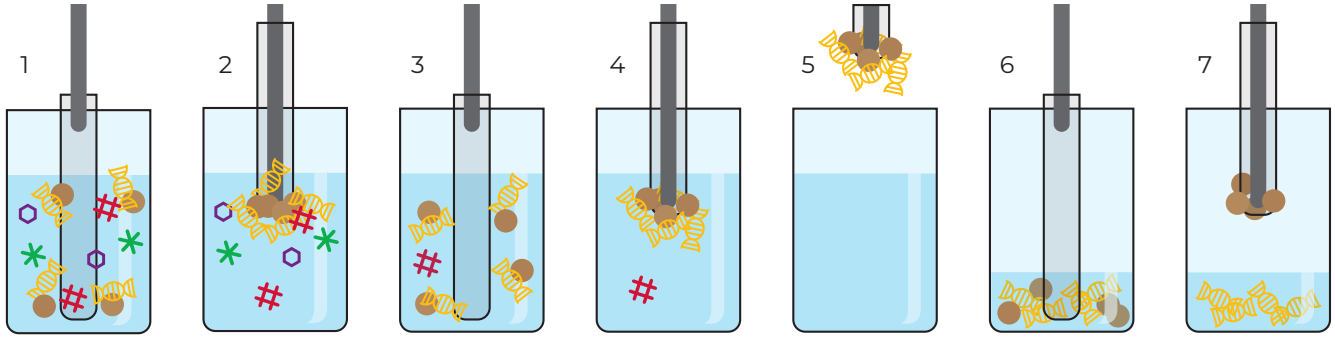
Purification: 25 minutes for 96 samples

qPCR: 62 minutes for 96 samples

### THE COMBINED USE OF KYLT® SALMONELLA PURIFICATION HTP, PURIFIERS AND SALMONELLA SPP. 2.0 IMPROVES THE QUALITY OF THE RESULTS AS IT ENABLES:

- Less risk of errors
- Simplified lab work
- Reduced lab costs
- Higher lab productivity
- Operational times savings
- Convenience of integrated solutions

# DISCOVER MORE ABOUT KYLT® AUTOMATED SOLUTIONS FOR SALMONELLA DNA PURIFICATION AND DETECTION



The components are mixed during the binding step. RNA and/or DNA is bound to the magnetic beads (1). The magnetic beads are collected by inserting the magnetic rod into the spin tips (2) and resuspended in the Wash Solution (3). Beads are collected (4) and air-dried (5). Finally the nucleic acids are eluted (6). The beads are removed and the eluate containing highly pure DNA and/or RNA is ready for PCR (7).



## KYLT® SALMONELLA SPP. 2.0 REAL-TIME PCR DETECTION

Product Name	Art.-No (Reactions)	Poultry	Swine	Ruminants	Feed & Food
Salm spp 2.0 no ExM	MICROVAL® 31302 (100)	×	×	×	×

## KYLT® PURIFICATION SYSTEM AND CONSUMABLES

Product	Content / Reactions	Art.-No
Purifier	1 unit	31436
<b>NEW</b> Purifier 48	1 unit	31748
RNA/DNA Purification HTP	4 × 96	31575
<b>NEW</b> Salmonella Purification HTP	4 × 96	31433
Purifier Spin Tips	5 Plates/480 Rxn	31434
Purifier Plates	20 Plates/384–480 Rxn	31435

If you need information on Kylt® products or services, please visit us on [www.kylt.eu](http://www.kylt.eu) or contact us at [kylt-de@san-group.com](mailto:kylt-de@san-group.com)



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