



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 it 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. Kylt® developed a method and workflow that enables an automated process with a minimum of manual steps and unrivalled performance.

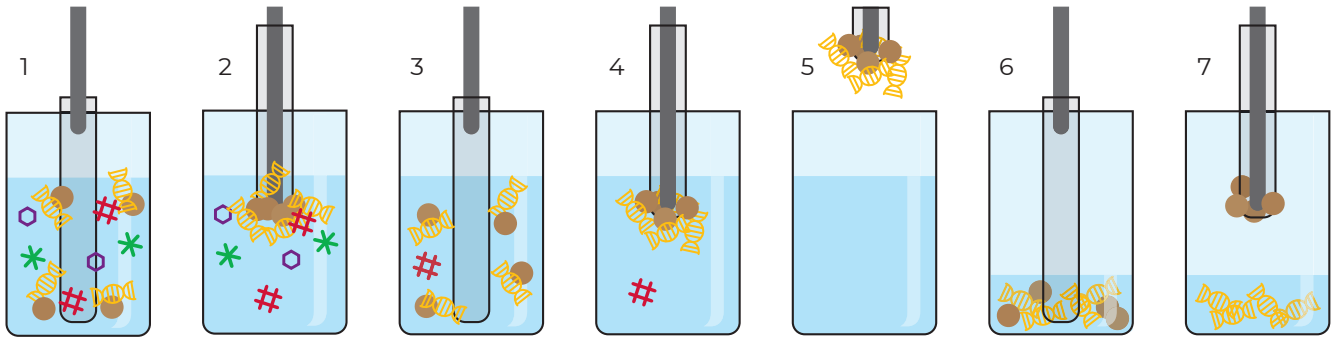
KYLT® SOLUTIONS FOR AUTOMATED SALMONELLA TESTING

- 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

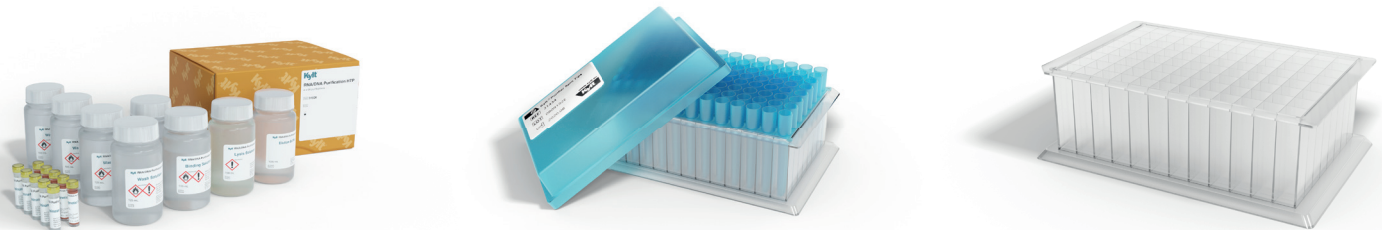
THE COMBINED USE OF KYLT® SALMONELLA PURIFICATION HTP, KYLT® PURIFIERS, AND KYLT® SALMONELLA SPP. 2.0 IMPROVES THE QUALITY OF THE RESULTS AS IT ENABLES:

- 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

Tested Parameter	Art.-No	 Poultry	 Swine	 Ruminants	 Feed & Food
NEW <i>Salmonella</i> spp. 2.0  n:n	31302	x	x	x	x

KYLT® PURIFICATION SYSTEM AND CONSUMABLES

Product	Content / Rxn	Art.-No
Purifier	1 unit	31436
NEW Purifier 48	1 unit	31748
RNA/DNA Purification HTP	4 × 96	31575
NEW <i>Salmonella</i> 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 or contact us at kylt-de@san-group.com

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Availability of the products in different countries may vary according to specific country regulatory environment. For in vitro use only.

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Management System
ISO 9001:2015



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