

FAST & EFFICIENT PURIFICATION OF RNA AND DNA

KYLT® PURIFIER & KYLT® PURIFIER 48

The **Kylyt® Purifiers** are solutions for the automated magnetic bead-based purification of RNA and DNA from any sample. These systems feature extremely fast processing with a run-time of about 30 minutes (excluding lysis) for up to 96 samples to purify DNA and RNA from diagnostic samples or to purify DNA from Salmonella pre-enrichment-samples.

The **Kylyt® Purifiers** use a patented technology of stirring the well contents with a dedicated rotating spin tip for each well. The major advantage, besides processing speed,

lies in the best-in-class resuspension of the magnetic beads which leads to optimal purity and yield. Additionally, due to its characteristics, no cross-contamination occurs.

Seemingly similar systems, which in contrast move the tips up and down, produce much higher liquid levels that increase the risk of overflow. Also, said up-and-down motion generates air currents that distribute aerosols across wells. This problem does not exist in the **Kylyt® Purifier** and **Kylyt® Purifier 48** instruments.

ADVANTAGES

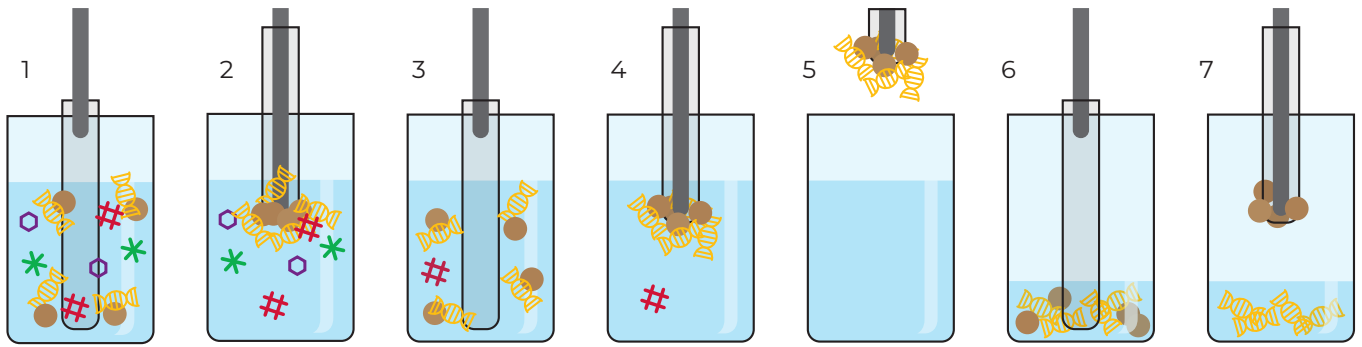
- Easy setup
- High mixing efficiency
- Reduced hands-on time
- Fast sample processing time
- Open system, easily programmable
- Pre-installed protocols for Kylyt® kits
- Small, medium and high sample throughput
- No cross-contamination, due to low liquid level
- Available options to suit any throughput

BENEFITS

The use of **Kylyt® Purifiers** improves the speed and quality of RNA and DNA purification at a better cost, as they allow for:

- Reduced lab costs
- Reduced risk of errors
- Higher lab productivity
- Operational time savings
- Simplified hands-on lab work
- 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).



Product Name	Description	Content / Rxn	Art.-No
Purifier	Purification system for magnetic bead based kits. Up to 96 samples are processed in under 30 minutes. Intended for high-throughput laboratories	1 unit	31436
NEW Purifier 48	Purification system for magnetic bead based kits. Up to 48 samples are processed in under 30 minutes. Intended for low to medium throughput laboratories	1 unit	31748
RNA/DNA Purification HTP	Magnetic bead based combined RNA and DNA purification kit for veterinary diagnostic samples. Suitable for Kylt® Purifier and Kylt® Purifier 48	4 × 96	31575
NEW Salmonella Purification HTP	Magnetic bead based DNA purification from Salmonella pre-enrichment samples. Suitable for Kylt® Purifier and Kylt® Purifier 48	4 × 96	31433
Purifier Spin Tips	Plate with 96 separate spin tips, used by the Kylt® Purifier to mix the well contents by stirring. Sufficient for 480 samples	5 Plates	31434
Purifier Plates	Plates to be used for the several reactions and reagents during automated nucleic acid purification. Sufficient for 320 to 480 samples (depending on device and protocol)	20 Plates	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



SAN Group Biotech Germany GmbH · Muehlenstrasse 13 · 49685 Hoeltinghausen · Germany
+49 4473 94 38 999 · kylt-de@san-group.com

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