

## Fast & Efficient Purification of RNA and DNA

### Kylt® Purifier

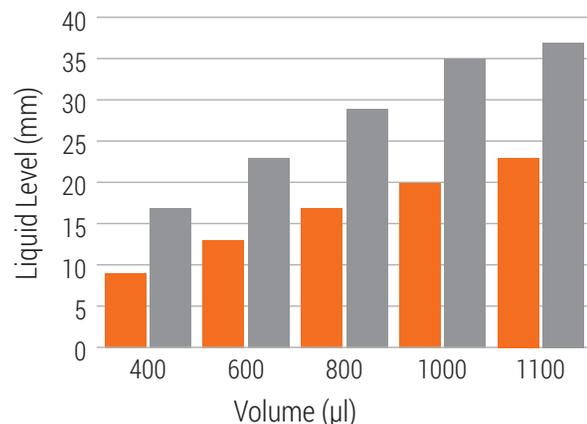
The **Kylt® Purifier** is our new solution for the automated magnetic bead-based purification of RNA and/or DNA from any sample. This system features extremely fast processing with a run-time of about 30 minutes (excluding lysis) for up to 96 samples to purify DNA and RNA from diagnostic samples or to purify DNA from Salmonella pre-enrichment-samples.

The **Kylt® Purifier** uses 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.

Furthermore, the **Kylt® Purifier** does not cross-contaminate as opposed to apparently similar systems that employ an up-and-down motion of the tips and raise the liquid level much closer to the edge of the wells (see chart on the right side). Also, said up-and-down motion generates air currents that distribute aerosols across wells. This problem does not exist in the **Kylt® Purifier**.

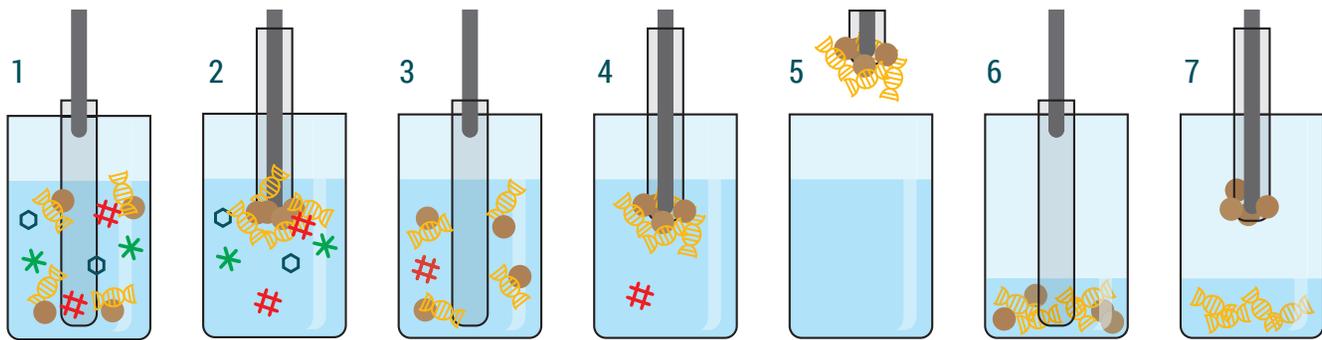
#### Advantages:

- Easy to use.
- Robust system.
- High throughput possible.
- Reduced hands-on time.
- Open system, easily programmable.
- Protocols for Kylt® kits pre-installed.
- Highest mixing efficiency due to spin tips.
- Low liquid levels = No cross-contamination.



Liquid level with the Kylt® Purifier (orange) and a competitor product (grey) at different filling volumes. High liquid levels increase the risk of cross-contamination.

## Illustration of Processing Steps



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	Description	Content	Art. No.
Kylt® Purifier	Instrument to automate magnetic bead based nucleic acid purification kits.	1	31436
Kylt® Purifier Spin Tips	Plate with 96 separate spin tips, used by the Kylt Purifier to mix the well contents by stirring. One set used per run.	5	31434
Kylt® Purifier Plates	Plates to be used for the several reactions and reagents in a nucleic acid purification kit. 4 - 5 plates used per run.	20	31435
Kylt® Salmonella Purification HTP	Magnetic bead based DNA purification from enriched samples for Salmonella spp. testing.	4 x 96	31433
Kylt® RNA / DNA Purification HTP	Magnetic bead based kit for the simultaneous purification of RNA and DNA from a vast array of sample matrices.	4 x 96	31826



stands for...

### HIGH QUALITY

Development and manufacturing in Germany are ISO 9001 certified

### RELIABILITY

Highly satisfactory and reliable high-throughput routine diagnostic

### ACCURACY

Sensitive, precise and fully validated detection of pathogens