

Extractor TurboX 48

Description

TurboX 48 is an automated extraction system with an integrated high-throughput centrifuge that enables purification using spin columns. Even large sample volumes of 5 ml can be processed without compromising the high quality of the results.

TurboX 48 was specifically developed for demanding applications, particularly for RNA, as well as for processing low-concentration nucleic acids such as cfDNA and ctDNA.

Combined with the patented automatic decapping technology, TurboX 48 optimizes sample transfers, thus offering high performance and precise automation.

Specifications

Extreme Purity and High Yield

Leveraging the proven spin column method, TurboX 48 ensures consistently pure DNA/RNA elution without inhibitor carry-over.

Highly Concentrated Eluate

The integrated centrifuge in the TurboX 48 ensures optimal elution buffer recovery even from a volume of 30 µl, maintaining consistent recovery for reliable results.

Unmatched High Throughput

TurboX 48 processes up to 4 channels at once, achieving an impressive throughput of 48 standard samples or 12 large volume samples up to 5 ml.

Efficient Workflow

Experience a streamlined workflow with dedicated reagent kits. Plus, a quick setup that can be done in 5 min, thanks to the intuitive guide.

Precision in Sample and Column Manipulation

The patented decapping technology automates column and microcentrifuge tube transfer. This, combined with the automated pipetting system, significantly reduces human error and boosts throughput.



Extraktor TurboX 48

Applications

Sample Type

- Cells and tissues
- FFPE
- cfDNA (Liquid Biopsy)

Applications

- NGS
- Microarray
- NIPT / Oncology

Extractor TurboX



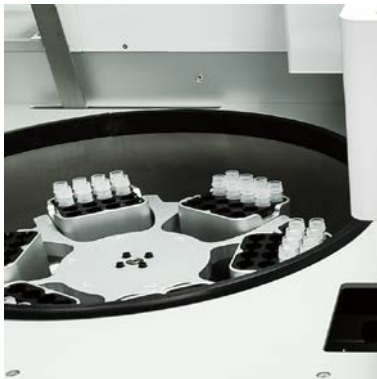
Technical Data

Throughput	2 - 48 sample for standard volume (< 500 µl) 2 - 12 sample for large volume (> 1000 µl)
Sample volume	200 to 5000 µl
Exaction principle	Silica-Membrane column
Dimensions (W x D x H)	1210 x 725 x 1060 mm (1550 mm with door open)
Weight	150 kg
Power connection	AC 220 V, 50/60 Hz
Power consumption	1500 W
Display	10.6" TFT LCD with touch screen
UV LED	UVA 360 - 410 nm UVC 270 - 285 nm
Certifications	CE
Centrifuge	
Rotor type	6 swinging-buckets
Speed	Max. 3500 rpm
Chamber heating	up to 70°C
Liquid Handling System	
Channel	4 channels
Volume	20 - 1000 µl
Accuracy	20 µl: < 10%; 1000 µl: < 1%
Thermal shaker	
Mixing speed	Up to 900 rpm
Temperature	RT -60°C
Ramp rate	< 5 minutes from ambient temperature to 55 °C (±3 °C)
Decapper System	
Channel	4 channels

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Equipment

- ① Integrated 48 throughput centrifuge
- ② 48 standard samples or 12 large volume samples
- ③ Compact thermal mixer
- ④ Innovative decapper module
- ⑤ Error-free self-monitoring
- ⑥ Automated pipetting system
- ⑦ UV decontamination
- ⑧ Waste management system
- ⑨ Guided step-by-step procedures with a user-friendly interface



Integrated centrifuge



Automated pipetting system



Compact thermal shaker



Innovative decapper system

Available Kits

- Blood DNA Kit
- Tissue / Cell DNA Kit
- FFPE DNA Kit
- Blut RNA Kit
- Tissue Cell RNA Kit
- Circulating DNA (5 ml) Kit