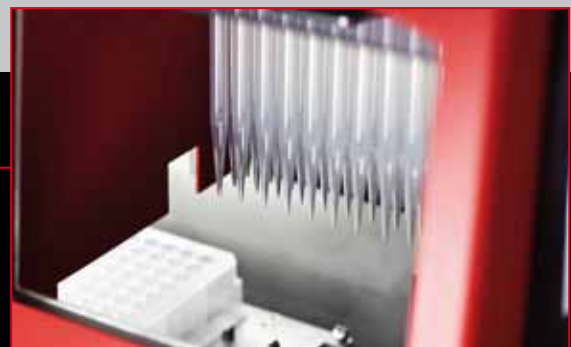


InnuPure® C96 | Fast and efficient high-throughput nucleic acid extraction

- Fully automated nucleic acid extraction based on proven magnetic particle separation technology
- Parallel preparation of up to 96 samples with pre-programmed protocols
- Fast, reliable and compact desktop unit for any lab bench



InnuPure® C96 | Fast and efficient high-throughput nucleic acid extraction

The InnuPure® C96 is capable of fast and fully automated nucleic acid extraction from complex starting materials in 96 well standard format. The InnuPure® C96 extraction system is based on proven principles of liquid handling and purification based on magnetic particle separation.

This makes it possible to achieve high yields and exceptional purity. The purification of DNA and/or RNA is one of the most common methods for sample preparation and thus constitutes a standard in molecular biology and medical diagnostics. The built-in 96 well precision pipetting head with 96 simultaneously operating channels and established tip sealing principle is ideally suited for complex purification processes with high sample throughput. It also ensures excellent and reproducible results.

The automated extraction process also allows for flexible time management which makes it possible to comprehensively plan and prepare subsequent experiments.

♥ By using ready-to-use extraction kits in 96 well plates fast and precise nucleic acid extractions can be performed



Features

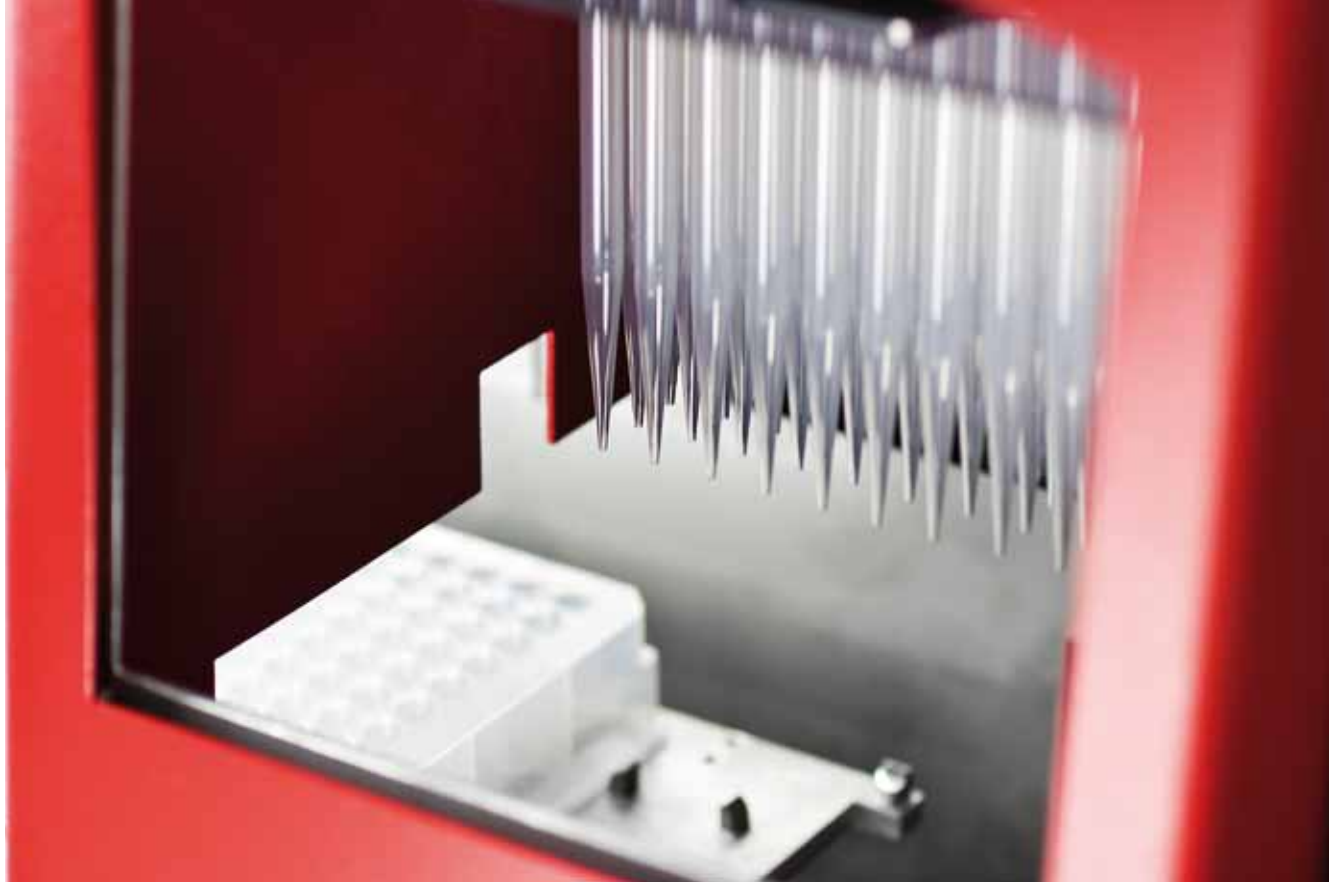
- Fully automated nucleic acid extraction based on proven magnetic particle separation technology
- Preparation of up to 96 samples in parallel
- Pre-programmed protocols
- Pre-programmed extraction protocols for optimal reproducibility
- Adjustable elution volumes
- Automatic filling of reagent plasticware with all the necessary solutions
- Minimum number of manual steps
- Compact desktop unit for any lab bench
- Optimized lysis thanks to the use of a thermoshaker with up to 3,000 rpm and 99 °C
- Optional UV lamp and HEPA filter to minimize possible contamination or for easy decontamination
- Highly flexible system for a wide variety of starting materials and volumes
- Ready-to-use purification kits for easy handling and the extraction of high quality nucleic acids

Fast preparation with minimal effort

After the InnuPure® C96 has been equipped with all the necessary plastic materials and buffer storage tanks according to the protocol instructions, the automatic reagent vessel filling routine is started. The starting material is then introduced into the isolation process.

The subsequent purification routine and the supply or discharge of the necessary reagents takes place fully automatically along a linear route with 5 function positions. The plate transport system consisting of a three-place unit guarantees a correspondingly high level of flexibility and speed.

Once the nucleic acids have been bound to magnetic particles they collect at the bottom of the wells and, depending on the protocol in use, are resolubilized by pipetting them in and out in an optimized process. A built-in extractor enables the microtiter plates to be moved between the unit places. Using an automated, optionally available thermoshaker - the BioShake 3000-T elm - necessary heating steps can be performed without any manual intervention.



■ The 96-channel precision pipetting head allows the parallel preparation of up to 96 samples

This makes it possible to optimally set the lysis efficiency while reducing the lysis duration at the same time.

- Includes filling routine for all necessary reagent plasticware
- Integrated lysis step (depending on the starting material)
- Isolation of high quality nucleic acids by binding to magnetic or paramagnetic particles
- Variable elution into separate tubes for direct storage

In addition, the InnuPure® C96 provides maximum protection against possible contamination, which can be successfully prevented with the help of the innovative extraction principle. An optional UV lamp, an optional HEPA filter with fan and the closed working area complete the contamination protection of the extraction machine, the individual samples and the isolated nucleic acids.

High operating comfort for every routine application

High quality robot technology and a particularly user-friendly software combine to make the InnuPure® C96 an attractive extraction system, both in research institutions and for use in routine applications. The effective and flexible software allows stored standard methods to be loaded, adjustments to be made to customer-specific applications and specific protocols to be easily configured. The clear user interface ensures that current experiments can be easily understood by providing schematic and graphical representations, detailed user instructions and displaying the active extraction step in real time.

Flexible, optimized kits for optimal nucleic acid purification

For the InnuPure® C96 a variety of different DNA/RNA extraction kits are available. Based on the proven separation of nucleic acids via the binding to magnetic particles, excellent results with high purity and yield are guaranteed. This ensures that the final product is free of proteins, nucleases and other contaminants and can be used immediately for subsequent applications. The total system offers significant time savings and reduces manual interventions to an absolute minimum. Pipetting, mixing and heating steps included in the routine are completely taken over by the purification machine.

Technical data

System parameters	
Device operation	PC control software
Decontamination	<ul style="list-style-type: none">▪ Optional: UV lamp▪ Optional: HEPA filter
Number of samples	Up to 96
Tips	96 each with 1000 µl
Liquid handling principle	96-channel precision pipetting head with proven tip sealing principle
Temperature control	Integratable BioShake 3000-T elm with up to 3,000 rpm and up to 99 °C
Plate transfer	<ul style="list-style-type: none">▪ 5 function positions in the device▪ Linear, movable 3-space unit
Application parameters	
Extraction principle	Based on surface-functionalized magnetic or paramagnetic particles
Lysis step	Automated in the device (depending on the starting material)
Consumables	Fully included in the required kit
Extraction routines	<ul style="list-style-type: none">▪ Preinstalled protocols (optimized for a variety of starting materials)▪ Including filling routines for the presentation of all necessary reagents
Elution	<ul style="list-style-type: none">▪ Adjustable volume▪ Transfer of the nucleic acid into a separate plastic for direct storage or for further applications
Other technical data	
Dimensions (W x H x D)	830 mm x 540 mm x 400 mm
Power supply	Internal power supply 100 – 240 V/50 – 60 Hz
Warranty	2 years

Order information

Order number	Description
845-00003-3	<ul style="list-style-type: none">▪ InnuPure® C96▪ Instrument system without PC, including PC operating software

Your contact