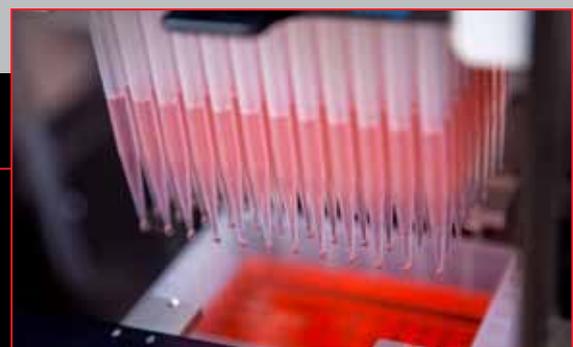
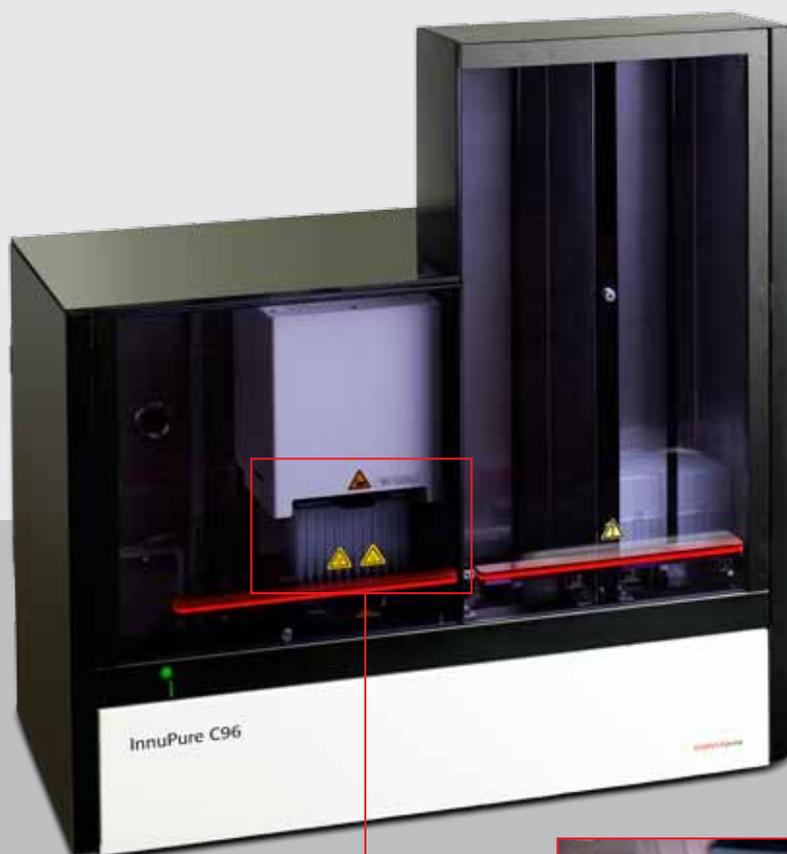


InnuPure® C96

Fast high-throughput nucleic acid extraction

- Fully automated nucleic acid extraction based on proven magnetic particle separation technology
- Tight desktop device for any lab bench
- Preparation of up to 96 samples in parallel



InnuPure® C96

Fast and efficient high-throughput nucleic acid extraction



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

Therefore high yields and excellent purities are achieved. 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 an established tip sealing principle is well suited for complex purification processes with high sample throughput. It also ensures excellent and reproducible results.

The automated extraction process also allows a flexible time management which enables to plan and prepare subsequent experiments comprehensively.



▲ The InnuPure® C96 a compact and fully automated nucleic acid extraction system for up to 96 samples

Fast preparation with minimal effort

Pre-filled and sealed Reagent Plates facilitate the preparation of the isolation routine enormously. Just the starting material has to be provided in 96 well format. The reagent plastics are opened manually by using an optimized piercing tool. Thus a peeling of the foil can be avoided easily.

Features

- Fully automated nucleic acid extraction based on proven magnetic particle separation
- Preparation of up to 96 samples in parallel
- Preprogrammed extraction protocols for optimal reproducibility
- Adjustable elution volumes
- Ready-to-use purification kits for easy handling and the extraction of high quality nucleic acids
- Minimum number of manual steps
- Tight desktop device for any lab bench
- Optimized lysis by using a heated position
- Minimized contamination and easy decontamination due to an optional UV lamp and HEPA filter
- Highly flexible system for a wide variety of starting materials and volumes

The subsequent purification process and the supply or discharge of the necessary reagents take place along a linear distance with 4 function positions. The plate transport system consisting of a two position wagon guarantees a high level of flexibility and speed.

The nucleic acids, bound to magnetic particles, are collected at the bottom of the wells and, depending on the protocol, resolubilized by up and down pipetting in an optimized process.

Using an automated, tempered position necessary heating steps can be performed without any manual intervention.

Therefore the lysis efficiency can be set optimally while reducing the lysis duration at the same time.

- 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 optionally, retrofittable UV lamp and HEPA filter in combination with the closed working area make the contamination protection of the extraction system, the individual samples and the isolated nucleic acids complete.

High operating comfort for every routine application

High quality robot technology with a very user-friendly software make the InnuPure® C96 to an attractive extraction system, both in research institutions and for its use in routine applications. The effective and flexible software allows pre-programmed standard methods to be loaded, protocols to be configured easily and to be adjusted to customer-specific applications. The clear user interface ensures current experiments to 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 efficient nucleic acid purification

For the InnuPure® C96 a variety of different DNA extraction kits is available. Based on the proven separation of nucleic acids bound to magnetic particles, excellent results with high purity and yield are guaranteed. This ensures the final product to be free of proteins, nucleases and other contaminants and to be used immediately for subsequent applications. The whole system makes sure that time is saved significantly and manual interventions are reduced to an absolute minimum. Pipetting, mixing and heating steps including in the routine are all operated by the extraction automat.

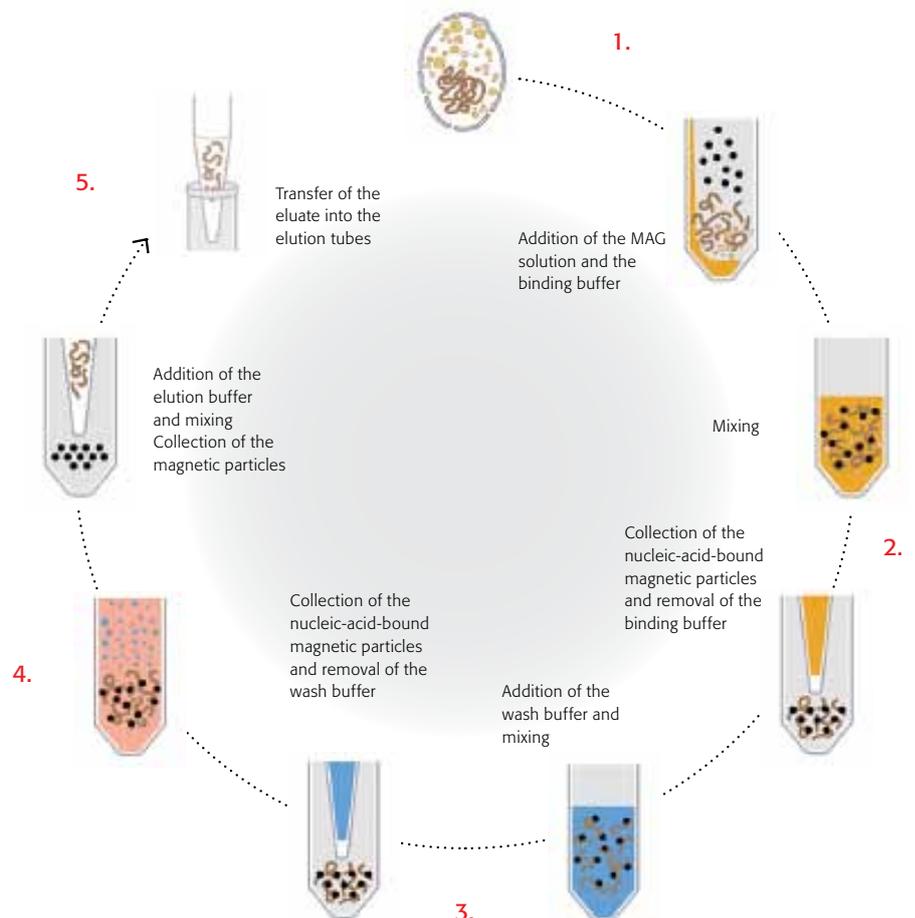


Automatic movement of all plates due to the wagon and the stacker

Reliable technology combined with patented extraction chemistry

High-quality nucleic acids in just five automated working steps:

1. Lysis of the starting material
 - Mechanical-thermal decomposition
 - Proteolytic digestion
 - Lysozyme digestion
2. Automated binding of the nucleic acid to the magnetic particles
3. Washing of the magnetic particles and the bound nucleic acids
4. Drying the magnetic particles
5. Elution of the nucleic acid in separate vessels for direct storage



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	Automated heating position
Plate transfer	<ul style="list-style-type: none">▪ 4 function positions in the device▪ Linear, movable 2 position wagon
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	Preinstalled protocols (optimized for a variety of starting materials)
Elution	<ul style="list-style-type: none">▪ Adjustable volume (50 - 500 µl)▪ 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)	690 mm x 810 mm x 400 mm
Power supply	Internal power supply 100 – 240 V/50 – 60 Hz
Warranty	2 years

Order information

Order number	Description
845-00003-2	InnuPure® C96 Instrument system without PC, including PC operating software