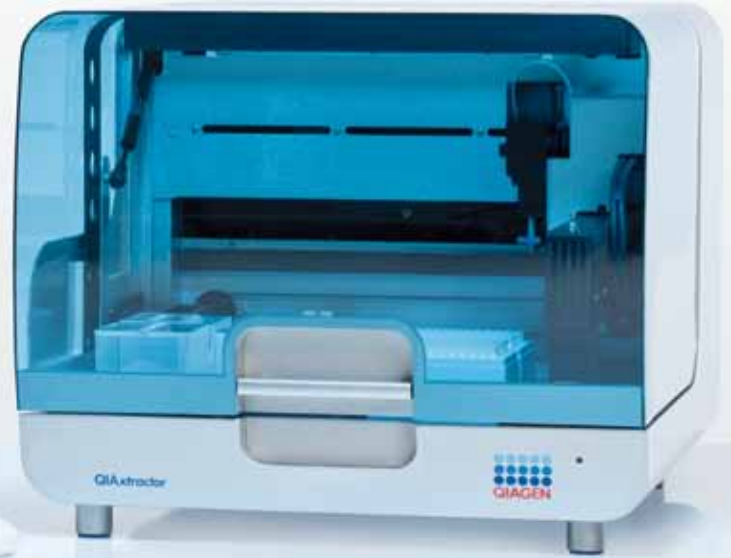


QIAxtractor[®] — Pure Advantage





Economical, high-throughput nucleic acid purification from virtually all sample types

The QIAextractor is a high-performance instrument that enables fast, reliable purification of high-quality nucleic acids for up to 96 samples per run in increments of 8 samples. Ninety-six samples can be processed in just 96 minutes using the instrument, which has a very small footprint. Innovative instrument features minimize the risk of any contamination. Proprietary chemistries enable purification of nucleic acids from virtually all sample types, including liquids and tissues. Purified nucleic acids are particularly well-suited for use in a wide range of sensitive applications in fields such as biomedical research, genotyping, and genomics research.



The QIAextractor provides:

- High performance through optimized protocols and chemistries
- Reliability due to innovative safety features
- A small footprint for convenience and ease-of-use
- A fast procedure, 96 samples are processed in just 96 minutes

Convenient compact design

The QIAxtractor is a benchtop instrument with a very small footprint. The compact design enables the instrument to be easily moved to suit sample prep requirements. For increased convenience, the vacuum/waste station is located under the bench, saving more space. For added flexibility and to complement the space-saving design, the QIAxtractor is provided with a laptop computer. Calibration of the instrument at installation takes only 10 minutes, facilitating use of the QIAxtractor in mobile laboratories.

Fast purification of high-quality nucleic acids

QIAxtractor protocols and instrument design have been developed to ensure reliable, fast procedures. Purification of 96 samples can be performed in 96 minutes, allowing you to easily perform hundreds of purifications per day. Rapid procedures free-up your time for more interesting tasks.

Proprietary chemistries for optimized performance

Optimized, proprietary chemistries for the QIAxtractor enable purification of nucleic acids from a diverse range of starting materials, including liquid samples and tissues. Examples of starting materials that have been successfully processed with the QIAxtractor include body fluids (e.g., blood, plasma, serum, urine, nasal aspirates), cell suspensions (e.g., buffy coat, cell cultures, bacterial colonies), and tissues (e.g., biopsy, mouse tail, prawn tissue, bird quill pulp, brain, liver, muscle).



Compact design. Nucleic acids are purified in the benchtop instrument. The transparent hood enables full view of the worktable during sample processing, providing the convenience to follow protocol progress.



High performance with difficult samples. Use of QIAxtractor Reagents and Plasticware, designed for the QIAxtractor, results in high-quality purified nucleic acids suitable for sensitive downstream applications. Tip design and stringent quality control, together with optimized chemistry, contribute to efficient lysis ensuring reliable performance even with difficult sample types.



Innovative safety features

Advanced instrument safety features, including a translucent hood, help to protect precious samples from environmental contamination. The HEPA filter enables maintenance of positive clean air pressure on the worktable underneath the hood. Used tips are ejected externally, ensuring no waste accumulation in the work environment. The UV light provides efficient worktable decontamination. A replaceable Polycap™ filter protects the vacuum pump and a carbon filter purifies waste air, which can be routed with silicone tubing to a room vent or fume hood, if required. The optimized vacuum chamber design ensures absolute minimization of the risk of contamination by providing separate compartments for wash and elution steps. A disposable silicone mat seals the plate during the run preventing cross-contamination.

	1	2	3	4	5	6	7	8	9	10	11	12
A	n.d.	23.8	n.d.	24.1	n.d.	24.0	n.d.	23.8	n.d.	24.0	n.d.	24.1
B	25.0	n.d.	24.9	n.d.	25.0	n.d.	25.0	n.d.	25.2	n.d.	25.0	n.d.
C	n.d.	22.9	n.d.	23.0	n.d.	22.7	n.d.	23.0	n.d.	22.8	n.d.	22.4
D	25.5	n.d.	25.4	n.d.	25.4	n.d.	25.2	n.d.	24.8	n.d.	25.0	n.d.
E	n.d.	24.2	n.d.	24.1	n.d.	24.1	n.d.	24.3	n.d.	24.3	n.d.	24.2
F	23.2	n.d.	23.3	n.d.	23.5	n.d.	23.2	n.d.	23.2	n.d.	23.0	n.d.
G	n.d.	24.6	n.d.	24.5	n.d.	24.9	n.d.	24.7	n.d.	24.3	n.d.	24.6
H	24.9	n.d.	24.2	n.d.	24.3	n.d.	23.6	n.d.	23.6	n.d.	23.3	n.d.

Figure 1. Reliable process ensures absence of cross-contamination. Viral nucleic acid purification was performed on 96 samples using the QIAxtractor and QIAxtractor Virus Reagents and Plasticware. The samples included 48 Bluetongue Virus-positive blood samples with high viral load (blue wells) and 48 negative controls (white wells) which were plated in a checkered pattern on a 96-well plate. Following nucleic acid purification, real-time RT-PCR analysis was performed and the resulting C_t values are shown in the figure. After 40 cycles (the level of single-copy detection), no amplification was detected (n.d.) in the negative controls, demonstrating absence of cross-contamination. Internal positive controls were included in all positive samples. This experiment was conducted twice with different samples and produced similar results.

Cost-effective sample preparation

Automated purification on the QIAxtractor delivers high-quality nucleic acids at a highly cost-efficient price per prep. With an economical tip-reuse strategy, the QIAxtractor optimizes the use of plasticware during the run, processing 96 samples with less than 2 tips per sample. This environmentally friendly feature saves costs and reduces waste.

Easy setup and walkaway procedure

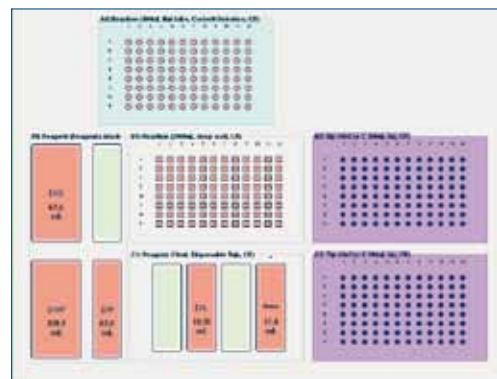
The QIAxtractor is preinstalled with optimized protocols. In addition, the instrument provides the flexibility to set up customized protocols. Smart options further enable setup to suit your individual sample prep requirements. For example, the protocol can be quickly and easily set up so that lysis is performed outside the instrument (e.g., in a hood) without requiring any additional manual steps for the operator. This setup can be used if desired to minimize biohazard or viral risks. Once you have chosen the protocol best suited to your starting material, you can simply start the run and walk away. Purified nucleic acids are conveniently eluted directly into 96 tubes without additional liquid handling steps. Nucleic acids purified using the QIAxtractor give high-performance results in sensitive applications.

Flexible, intuitive software

With the convenient software wizard, a run can be set up and started with just a few clicks of the mouse. Any lab personnel can immediately work independently. The software simulates the instrument worktable enabling fast and easy setup. Reagent volumes are automatically calculated by the software according to the number of samples. Runs are fully documented, enabling easy data management. The software allows import of a barcode databank if desired. Data can also be easily integrated with a LIMS (Laboratory Information Management System). Access control options enable management of user access and rights, if required.



Smart, optimized rack design. Innovative tip rack design enables tip re-use during a run without any risk of cross-contamination. In standard protocols, purification of 96 samples is achieved with only 144 tips.



User-friendly interface. Clear, easy-to-use software interface simulates the worktable enabling easy worktable setup.

Sample disruption



Tissuelyser II

Purification



QIAxtractor

Assay setup



QIAgility

Detection and analysis



Rotor-Gene Q



QIAxcel

Seamless integration into your workflow



Free up your time. Automation of nucleic acid purification with the QIAxtractor leaves you free to focus on other tasks.

The QIAxtractor can be seamlessly integrated into your workflow and is fully compatible with QIAGEN assay technologies. Automated, high-throughput nucleic acid purification from up to 96 samples per run, in increments of 8 samples, enables you to free up your time and concentrate on other important laboratory tasks. Purified nucleic acids are collected in 96 tubes specifically designed to enable integration into your workflow. The elution plate containing tubes of purified nucleic acids can be transferred to the QIAgility® instrument for automated PCR setup. Analysis by real-time PCR or RT-PCR can then be carried out on the Rotor-Gene® Q. For automated separation and analysis of a variety of nucleic acids, including single or multiple PCR fragments, the QIAxcel® System is a multicapillary electrophoresis system designed to overcome the bottlenecks of gel electrophoresis. For more information on automation solutions from QIAGEN, visit www.qiagen.com/goto/automation.

Ordering Information

Product	Contents	Cat. no.
QIAxtractor, UV, HEPA	Robotic workstation with UV light, HEPA filter, laptop computer, QIAxtractor operating software, start-up pack, installation and training, 1-year warranty on parts and labor	9001793
Reagent Pack, DX*	For purification of genomic or bacterial DNA from 5 x 96 samples: Pack contains all reagents required for a typical purification protocol	950107
Reagent Pack, VX*	For purification of viral nucleic acids from 5 x 96 samples: Pack contains all reagents required for a typical purification protocol	950207
Tissue Digest Reagent (250 ml)	250 ml Tissue Digest Reagent	950183
QIAxtractor DNA Plasticware	For 5 x 96 samples: Pack contains all plasticware required for a typical purification protocol using QIAxtractor DNA Reagents	950037
QIAxtractor Virus Plasticware	For 5 x 96 samples: Pack contains all plasticware required for a typical purification protocol using QIAxtractor Virus Reagents	950047
Warranty PLUS 1, QIAxtractor	2-year warranty, 1 preventative maintenance visit per year, 48-hour priority response, all labor, travel, and parts covered	9241765
Warranty PLUS 2, QIAxtractor	3-year warranty, 1 preventative maintenance visit per year, 48-hour priority response, all labor, travel, and parts covered	9241766
Warranty PLUS 2 Premium, QIAxtractor	3-year warranty, 1 preventative maintenance visit per year, 24-hour priority response, all labor, travel, and parts covered	9241767

* Purification of nucleic acids from solid tissues requires additional purchase of Tissue Digest Reagent.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

Discover more about the QIAxtractor at www.qiagen.com/goto/QIAxtractor!

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The purchase of this product (Rotor-Gene Q, Rotor-Disc) includes a limited, non-transferable license to one or more of US Patents Nos 6,787,338; 7,238,321; 7,081,226; 6,174,670; 6,245,514; 6,569,627; 6,303,305; 6,503,720; 5,871,908; 6,691,041; 7,387,887; and U.S. Patent Applications Nos. 2003-0224434 and 2006-0019253 and all continuations and divisionals, and corresponding claims in patents and patent applications outside the United States, owned by the University of Utah Research Foundation, Idaho Technology, Inc., and/or Roche Diagnostics GmbH, for internal research use or for non-in vitro diagnostics applications. No right is conveyed, expressly, by implication or estoppel, for any reagent or kit, or under any other patent or patent claims owned by the University of Utah Research Foundation, Idaho Technology, Inc., and/or Roche Diagnostics GmbH, or by any other Party. For information on purchasing licences for in-vitro diagnostics applications or reagents, contact Roche Molecular Systems, 4300 Hacienda Drive, Pleasanton, CA 94588, USA.

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