

QIAcube — Pure Efficiency

New



Sample & Assay Technologies

Walkaway spin-column processing

The QIAcube automates your spin preps

The revolutionary QIAcube makes automated sample prep available to all labs. The plug-and-play instrument simplifies and streamlines your purification procedures by fully automating trusted QIAGEN® spin-column kits (see Table 1). No change of chemistry is required, assuring fast startup and immediate results and performance is comparable to the manual procedure. For up-to-date product information and a list of available protocols, visit www.qiagen.com/MyQIAcube.

The innovative QIAcube enables you to:

- Free up your valuable time
- Continue to use proven QIAGEN spin-column kits
- Purify DNA, RNA, or proteins from up to 12 samples per run
- Standardize your results
- Increase your productivity

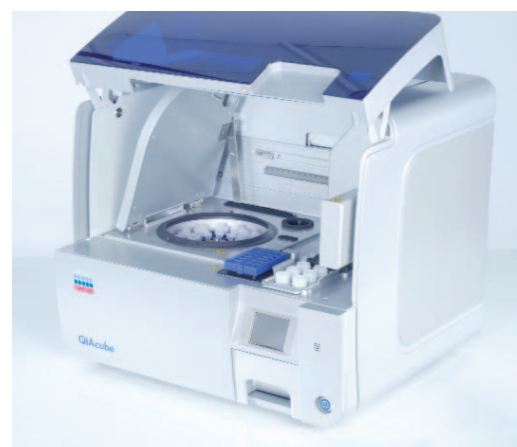
Table 1. The QIAcube automates reliable QIAGEN spin-column kits

Sample	QIAGEN kit
Purification of plasmid DNA <i>E. coli</i> cultures	QIAprep® Spin Miniprep Kit
DNA cleanup Amplification reactions Agarose gel slices	QIAquick® PCR Purification Kit QIAquick Gel Extraction Kit
Purification of genomic DNA Blood or body fluids	QIAamp® DNA Blood Kit
Purification of viral nucleic acids Plasma, serum, or cell-free body fluids	QIAamp MinElute® Virus Spin Kit
Purification of total RNA Animal cells RNA cleanup	RNeasy® Mini Kit RNeasy Mini Kit
Purification of 6xHis-tagged proteins <i>E. coli</i> cultures or eukaryotic cells	Ni-NTA Spin Kit
Depletion of serum proteins Serum or plasma	Qproteome Albumin/IgG Depletion Kit

For an up-to-date list of available protocols, visit www.qiagen.com/MyQIAcube.

Seamless progression from manual to automated preps

The innovative QIAcube uses advanced technology to process QIAGEN spin columns, enabling seamless integration of automated, low-throughput sample prep into your laboratory workflow. No change in purification chemistry is required as you simply continue to use the same well-established technologies (Table 1). All processing steps are performed by the QIAcube — from sample lysis to elution of highly pure nucleic acids or proteins. The QIAcube is highly suitable for academic research laboratories as well as pharmaceutical, biotechnology, and biomedical research laboratories.



No more tedious manual steps

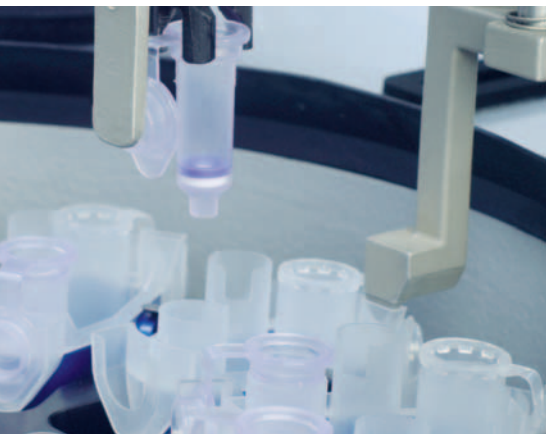


Figure 1. Freedom from laborious manual tasks. No manual handling steps required.

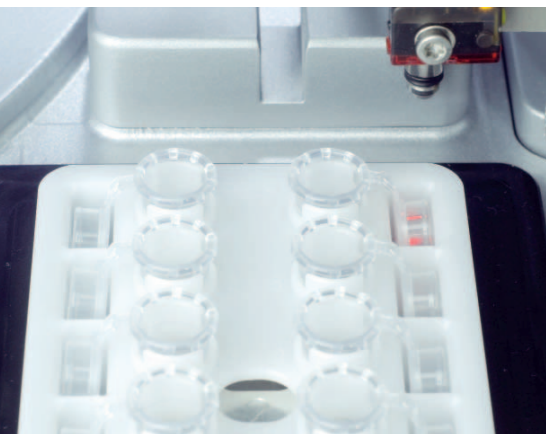


Figure 2. Hands-free sample lysis. The integrated shaker enables fully automated lysis of up to 12 samples.

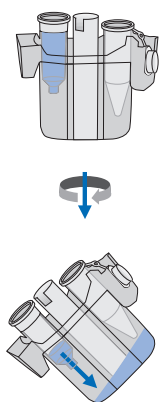


Figure 3. Walkaway spin-column processing. Innovative, disposable rotor adapters in the swing-out buckets collect wash buffers during centrifugation.

Freedom from laborious manual tasks

Fully automated purification of nucleic acids or proteins using QIAGEN spin kits on the QIAcube removes the need for tedious manual steps (Figure 1), allowing you to use your valuable time more efficiently. The standardized, automated purification procedure helps to eliminate human error, providing results that are comparable between experiments and labs, and giving you more time to focus on downstream analyses.

Hands-free sample lysis

Optimized, preinstalled protocols include hands-free lysis of up to 12 samples on the integrated orbital shaker (Figure 2). Lysis of samples that require heating is also fully automated since the shaker can achieve and maintain sample temperatures of up to 70°C. Lysates are then automatically transferred from the shaker to spin columns in the centrifuge rotor.

Walkaway spin-column processing

The fully automated centrifuge, equipped with 12 swing-out buckets, eliminates manual centrifugation steps giving you more time for other tasks. Innovative disposable rotor adapters hold spin columns and collection tubes in the centrifuge and collect wash buffers during centrifugation (Figure 3). Highly pure nucleic acids or proteins are eluted into collection tubes, ready to use in sensitive downstream applications.

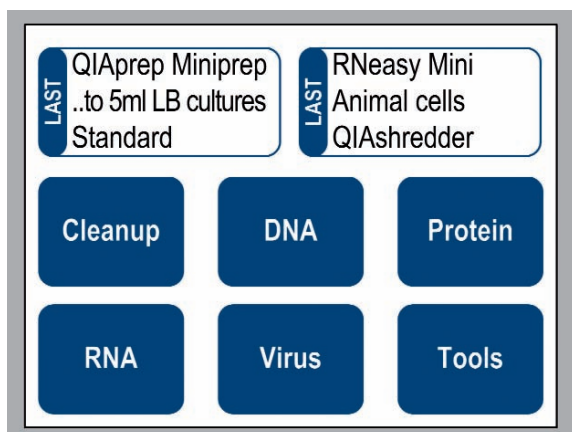


Figure 4. Easy-to-use software. The touch screen enables easy protocol selection.



Figure 5. High process safety. QIAcube worktable accessories are designed to help prevent human error.

Peace-of-mind promise

QIAGEN's peace-of-mind promise provides you with unrivaled instrument support and assures the continued success of your automated applications. You benefit from comprehensive instrument service with costs for labor, travel, and repair parts fully covered during your QIAcube's warranty period. We also provide Warranty PLUS extended warranties, giving you complete cost control and enhanced coverage through priority response times.

Visit www.qiagen.com/MyQIAcube today and discover how the QIAcube can automate your spin preps!

All the applications you need

The QIAcube is preinstalled with protocols for purification of plasmid DNA, genomic DNA, RNA, viral nucleic acids, and proteins, plus DNA and RNA cleanup. The range of protocols available is continually expanding, and additional QIAGEN protocols can be downloaded free of charge at www.qiagen.com/MyQIAcube. Our highly qualified Application Specialists can also develop customized protocols tailored to your needs.

Unparalleled ease of use

The QIAcube takes ease of use to a new level. No external PC is required, saving valuable laboratory space. An integrated touch screen simplifies protocol selection (Figure 4) and clear on-screen messages guide you through worktable setup. For increased ease of use and high process safety, labware and accessories fit onto the worktable only in the correct orientation (Figure 5). In addition, a fully automated load check helps to ensure that samples, reagents, and labware are correctly loaded.

Increased productivity

The QIAcube can be operated by anyone — from the novice to the expert — without the need for costly retraining of laboratory personnel. Automating your spin-column preps on the QIAcube means you immediately benefit from standardized results, increased productivity, and an efficient, streamlined workflow.

Ordering Information

Product	Contents	Cat. no.
QIAcube (110 V)* QIAcube (230 V)†	Robotic workstation for automated purification of nucleic acids or proteins using QIAGEN spin-column kits, 1-year warranty on parts and labor‡	9001292* 9001293†
Accessories		
Starter Pack, QIAcube	Pack includes: reagent bottle racks (3); rack labeling strips (8); 200 µl filter-tips (1024); 1000 µl filter-tips (1024); 1000 µl filter-tips, wide-bore (1024); 30 ml reagent bottles (18); rotor adapters (240); rotor adapter holder	990395
Filter-Tips, 1000 µl (1024)	Sterile, Disposable Filter-Tips, racked; (8 x 128)	990352
Filter-Tips, 1000 µl, wide-bore (1024)§	Sterile, Disposable Filter-Tips, wide-bore, racked; (8 x 128)	990452
Filter-Tips, 200 µl (1024)	Sterile, Disposable Filter-Tips, racked; (8 x 128)	990332
Rotor Adapters (10 x 24)	For 240 preps: 240 Disposable Rotor Adapters; for use with the QIAcube	990394
Related products		
QIAprep Spin Miniprep Kit (50)¶	For 50 high-purity plasmid minipreps: 50 QIAprep Spin Columns, Reagents, Buffers, Collection Tubes (2 ml)	27104
QIAquick PCR Purification Kit (50)¶	For purification of 50 PCR reactions: 50 QIAquick Spin Columns, Buffers, Collection Tubes (2 ml)	28104
QIAquick Gel Extraction Kit (50)¶	50 QIAquick Spin Columns, Buffers, Collection Tubes (2 ml)	28704
QIAamp DNA Blood Mini Kit (50)¶	For 50 DNA minipreps: 50 QIAamp Mini Spin Columns, QIAGEN Protease, Reagents, Buffers, Collection Tubes (2 ml)	51104
QIAamp MinElute Virus Spin Kit (50)	For 50 minipreps: 50 QIAamp MinElute Columns, QIAGEN Protease, Carrier RNA, Buffers, Collection Tubes (2 ml)	57704
RNeasy Mini Kit (50)¶	50 RNeasy Mini Spin Columns, Collection Tubes (1.5 ml and 2 ml), RNase-Free Reagents and Buffers	74104
Ni-NTA Spin Kit (50)	50 Ni-NTA Spin Columns, Reagents, Buffers, Collection Tubes, 1 µg Control Expression Plasmid	31314
Qproteome Albumin/IgG Depletion Kit	For albumin/IgG depletion of 6 serum or plasma samples: Albumin/IgG Depletion Spin Columns (6)	37521

* US, Canada, and Japan. † Rest of world. ‡ Agreements for comprehensive service coverage are available; please inquire.

§ Not required for all protocols. ¶ Larger kit sizes available.

The QIAcube is intended for research applications. No claim or representation is intended for its use to provide information for the diagnosis, prevention, or treatment of a disease. The QIAamp DNA Blood Mini Kit, QIAamp MinElute Virus Spin Kit, and RNeasy Mini Kit are intended for general laboratory use. No claim or representation is intended to provide information for the diagnosis, prevention, or treatment of a disease.

QIAGEN®, QIAamp®, QIAprep®, QIAquick®, MinElute®, RNeasy® (QIAGEN Group).

Hoffmann-La Roche owns patents and patent applications pertaining to the application of Ni-NTA resin (Patent series: RAN 4100/63; USP 4.877.830, USP 5.047.513, EP 253 303 B1), and to 6xHis-coding vectors and His-labeled proteins (Patent series: USP 5.284.933, USP 5.130.663, EP 282 042 B1). All purification of recombinant proteins by Ni-NTA chromatography for commercial purposes, and the commercial use of proteins so purified, require a license from Hoffmann-La Roche.

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