

Overview

Procedure

No Phenol,  
Excellent  
Results

No DNase  
Treatment  
Required

Competitive  
Performance

Automated  
on QIAcube  
Connect

Sample to  
Insight  
Solutions

Ordering  
Information

# miRNeasy<sup>®</sup> Tissue/Cells Advanced Mini Kit

Goodbye phenol.  
Hello excellent results!



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# microRNA and total RNA purification from tissues and cells

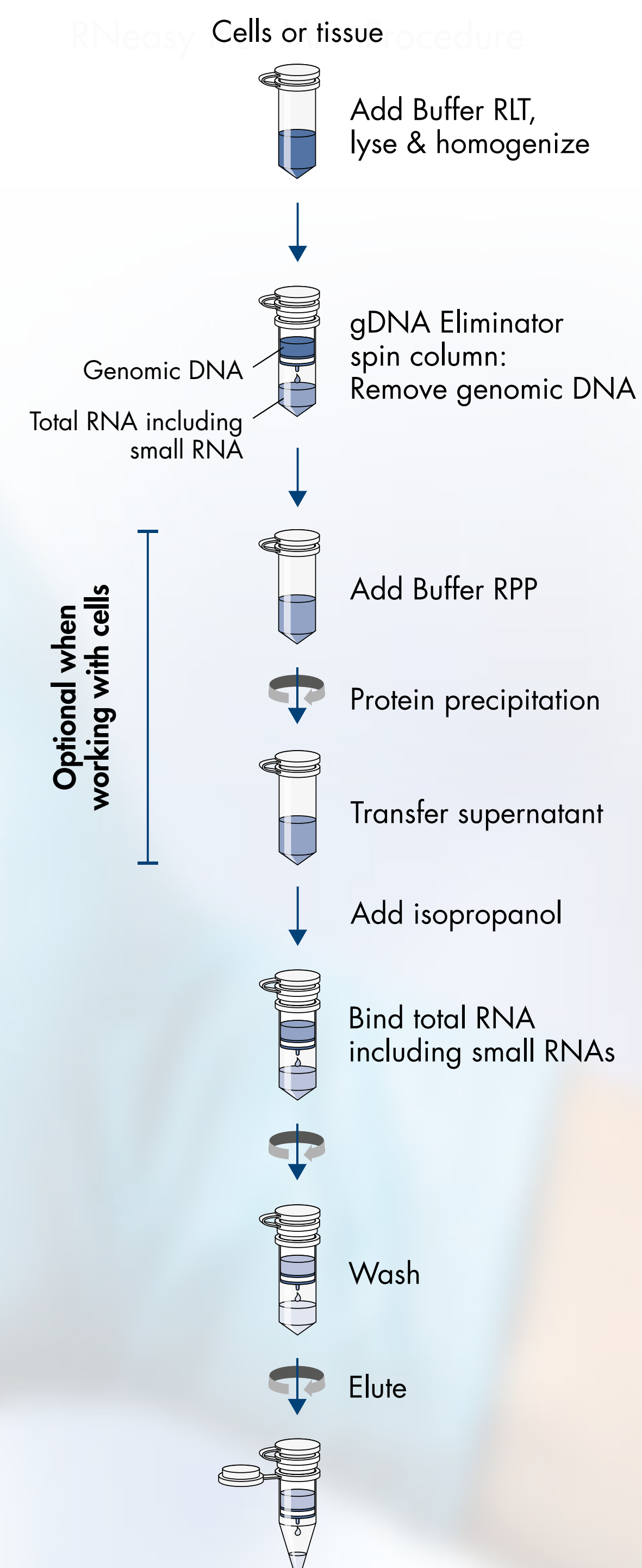
## Advanced generation of well-established miRNeasy Mini Kit

- Phenol-free miRNA isolation protocol
- gDNA Eliminator Columns included to omit DNA digestion
- Protein precipitation step for tissue samples included
- Efficient enrichment of miRNA and mRNAs
- Consistent, pure RNA for all downstream applications
- 21 samples in less than 55 minutes

To learn more,  
go to our webpage



Download  
Quick-Start Protocol



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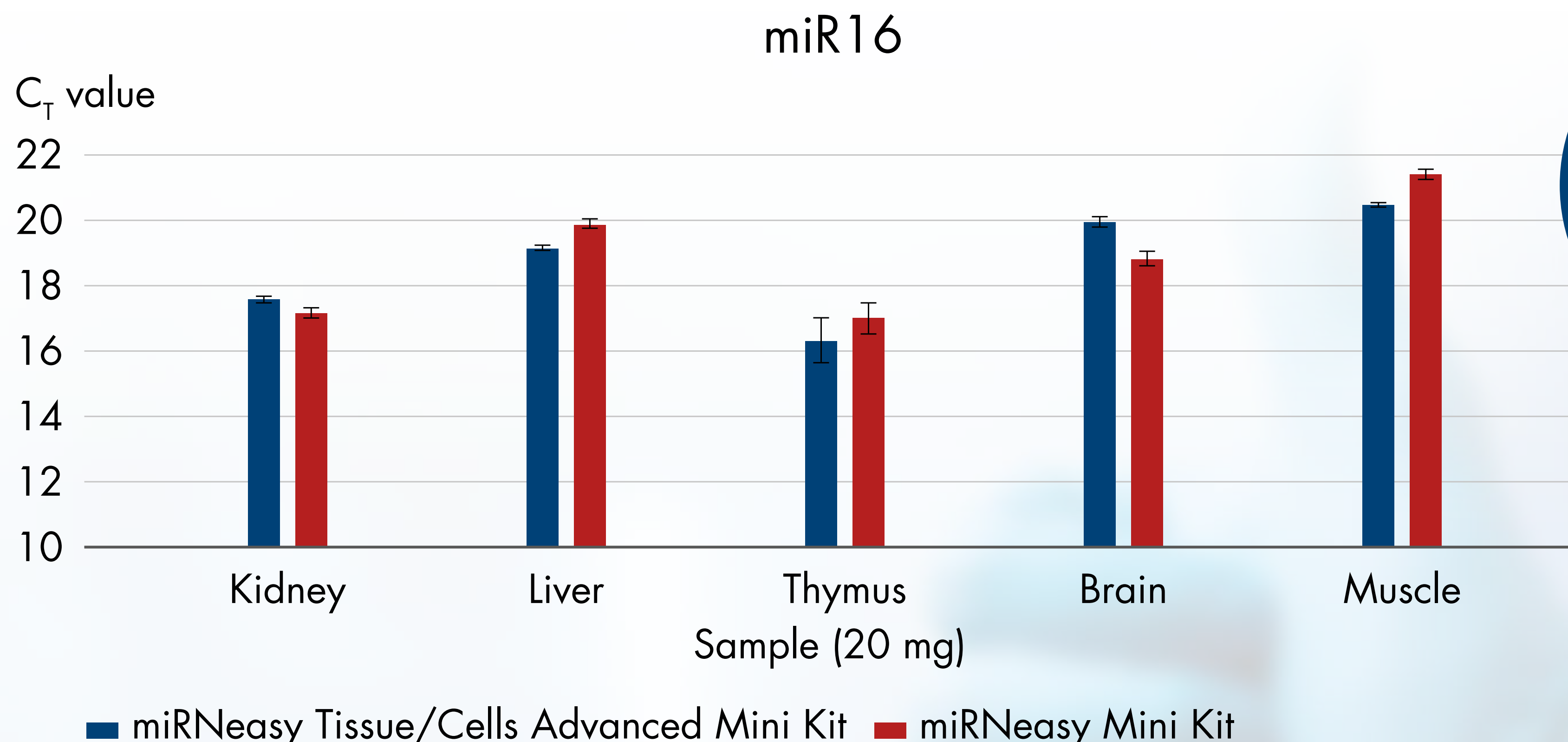
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# High recovery of miRNA without the need for phenol


Phenol-free  
protocol for  
enhanced  
safety

- Omitting phenol enables excellent or equal performance for miRNA and mRNA (not shown)
- Omitting phenol makes the phase separation obsolete

Advanced chemistry for fast, safe and easy to use miRNA isolation

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# Total RNA extraction: effective genomic DNA removal

pgk1 +/-RT

 $C_T$  value

40

35

30

25

20

15

Kidney

Liver

Thymus

Brain

Muscle

Sample (20 mg)

■ miRNeasy Tissue/Cells Advanced Mini Kit ■ miRNeasy Mini Kit

Saving  
15 minutes

- Comparable  $C_T$  values for both kits, for samples treated with Reverse Transcriptase (+RT: dark bars)
- Better performance with the miRNeasy Tissue/Cells Advanced Mini Kit for samples not treated (-RT: light bars) indicating better gDNA removal

gDNA Eliminator Columns add convenience and save time

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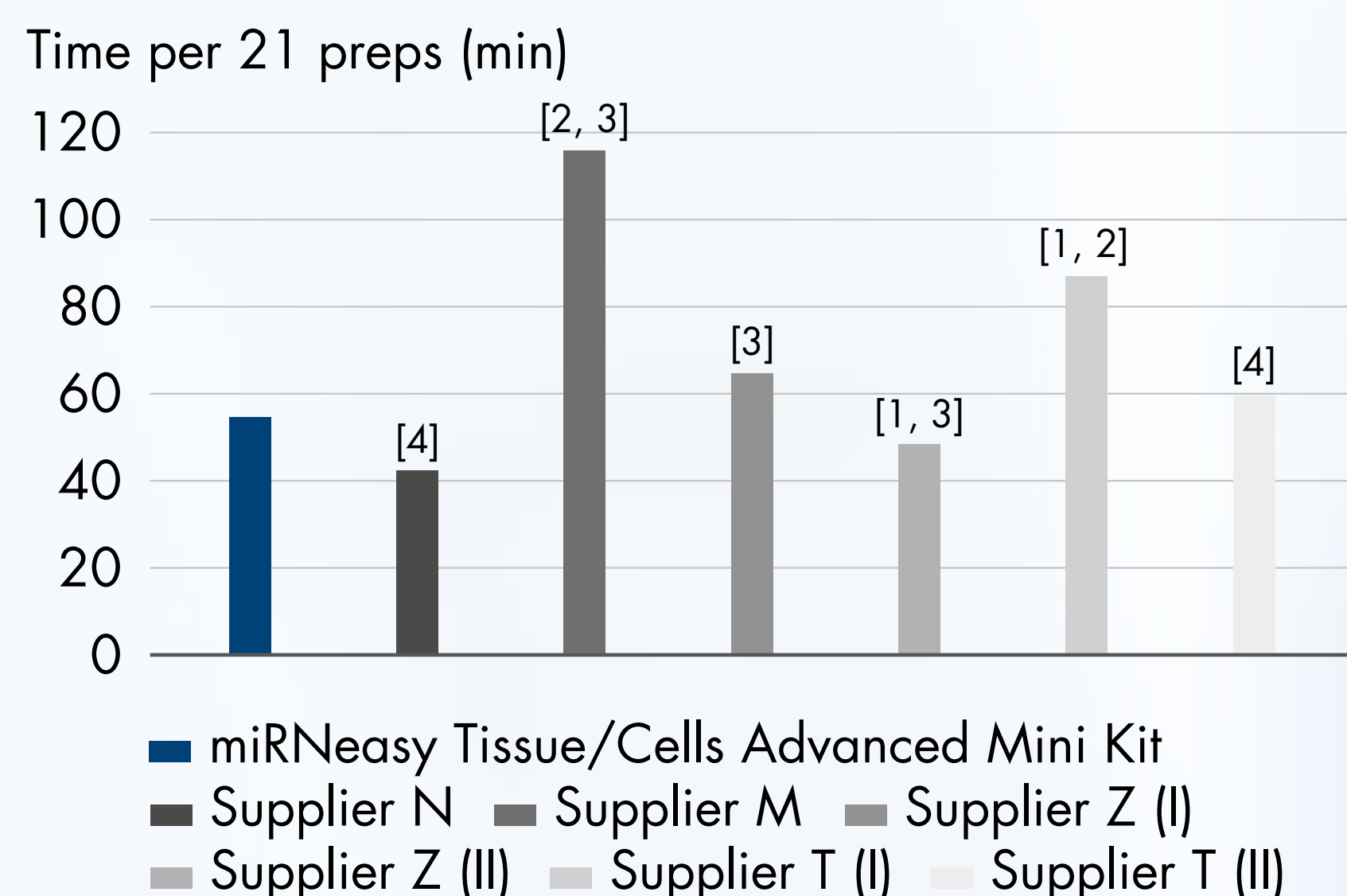
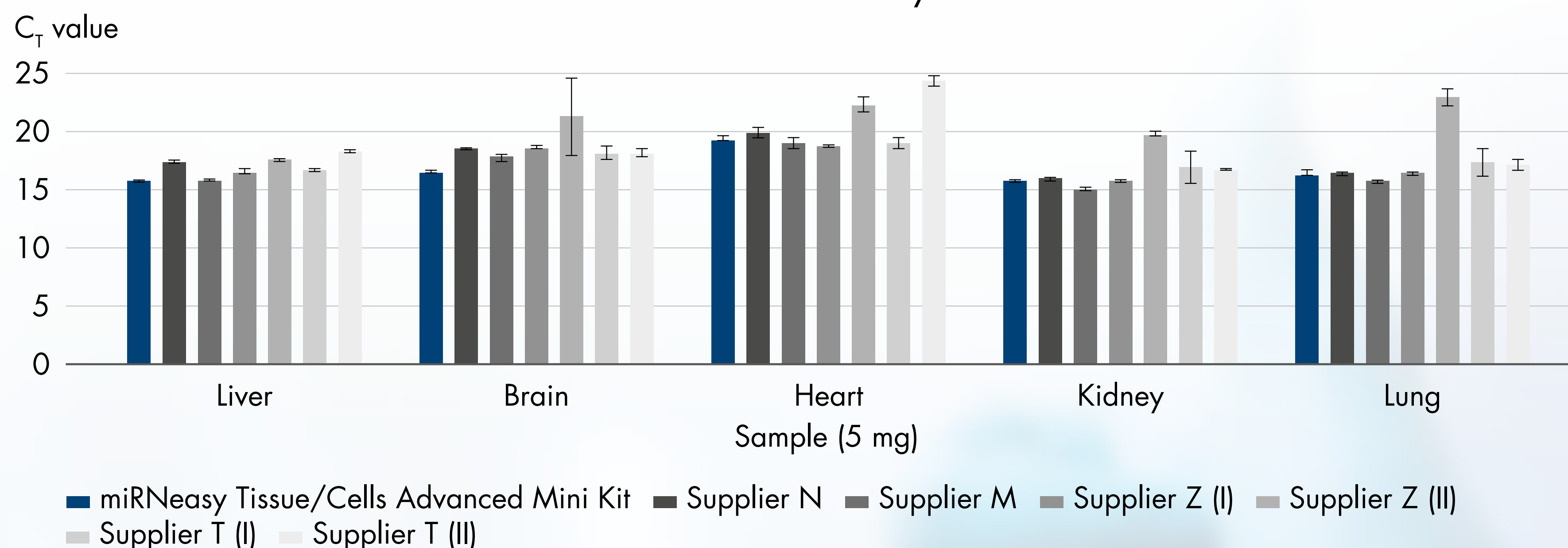
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# Competitive performance

miR16 assay



- [1] – Requires phenol/chloroform
- [2] – Requires β-mercaptoethanol
- [3] – Recommends DNase treatment
- [4] – Limited sample input

miRNeasy Tissue/Cells Advanced Mini Kit offers a unique combination of:

- Excellent performance
- Fast procedure
- Less exposure to toxic components

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# Easy automation on QIAcube Connect


Automatable  
on QIAcube  
Connect

- No change of purification chemistry required
- More free time with affordable automated processing
- Full connectivity for easy monitoring and quick response

To learn more, go to  
QIAcube Connect  
webpage

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# Sample to Insight solutions

## miRNA isolation

Efficiency without compromising integrity:

- miRNeasy Tissue/Cells Advanced Mini Kit
- miRNeasy Serum Plasma Advanced Kit
- miRNeasy FFPE Kit
- miRNeasy Micro Kit

## Complete RNA sequencing service

From initial consultation to advanced data analysis and interpretation, let the experts work for you

## Data interpretation and visualization

within biological context

- Ingenuity IPA

## miRNA sequencing

For new biomarker discovery

- QIAseq miRNA Library Kit
- QIAseq miRNA Library QC Spike-ins
- QIAseq miRNA Library QC PCR Panel and Assays

## Validation by qPCR

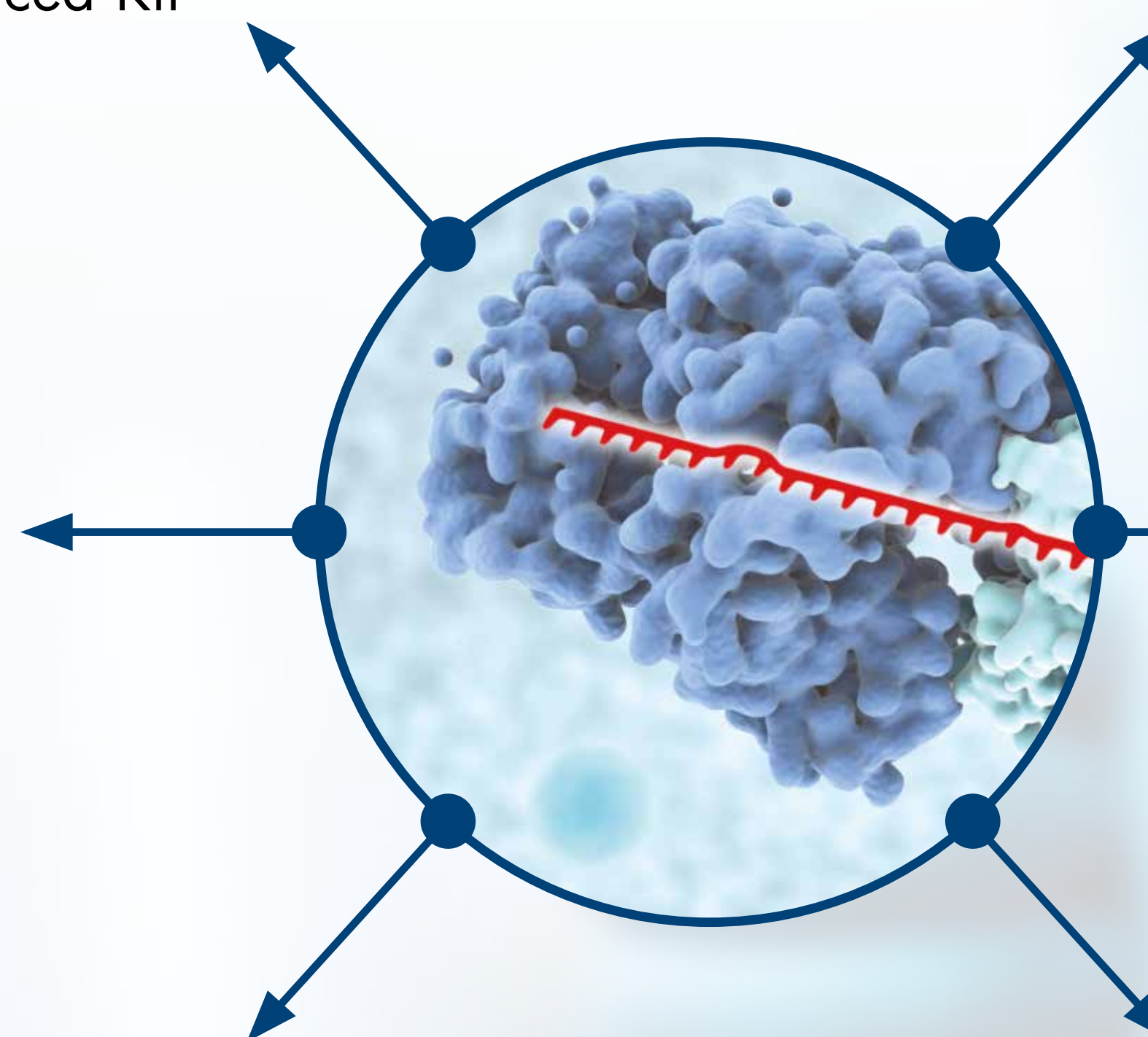
Unmatched sensitivity &amp; specificity

- miRCURY LNA PCR System

## Bioinformatics software

Comprehensive solution for diverse applications

- CLC Genomics Workbench V12


Download QIAseq  
miRNA product profile

|                                    |
|------------------------------------|
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## Ordering Information

| Product                                                      | Contents                                                                                                                                                                                                             | Cat. no.         |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <a href="#">miRNeasy Tissue/Cells Advanced Mini Kit (50)</a> | For 50 preps: RNeasy Mini Spin Columns, gDNA Eliminator Spin Columns, Collection Tubes, RNase-Free Water and Buffers                                                                                                 | 217604           |
| <a href="#">miRNeasy Serum/Plasma Advanced Kit (50)</a>      | For 50 total RNA preps: 50 RNeasy MinElute Spin Columns, Collection Tubes (1.5 ml and 2 ml), RNase-Free Reagents and Buffers                                                                                         | 217204           |
| <a href="#">miRNeasy 96 Advanced QIAcube HT Kit (5)</a>      | For 480 preps: RNeasy 96 plates, RNase-free water, buffers                                                                                                                                                           | 217261           |
| <a href="#">QIAcube HT Plasticware</a>                       | Plasticware for 480 typical preps on QIAcube HT: 5 S-Blocks, 5 Elution Microtubes RS (EMTR), 120 x 8-Well Strip Caps for EMTR, 9 x 96 Filter-Tips OnCor C, TapePad                                                   | 950067           |
| <a href="#">miRCURY qPCR Assay</a>                           | For exceptionally sensitive and specific miRNA profiling using LNA-enhanced miRNA qPCR                                                                                                                               | Inquire          |
| <a href="#">QIAseq miRNA Library Kit</a>                     | For gel-free miRNA library prep from as little as 1 ng total RNA for Illumina® sequencers                                                                                                                            | 331502<br>331505 |
| <a href="#">QIAcube Connect</a>                              | Robotic workstation for automated purification of DNA, RNA or proteins using QIAGEN spin-column kits: includes tablet and Q-Base to connect to local network, bar code reader and 1-year warranty on parts and labor | Inquire          |
| <a href="#">QIAcube HT</a>                                   | Robotic workstation with UV lamp, HEPA filter, laptop, QIAcube HT operating software, startup pack, installation and training, 1-year warranty on parts and labor                                                    | Inquire          |

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](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

QIAcube Connect is designed to perform fully automated purification of nucleic acids and proteins in molecular biology applications. The system is intended for use by professional users trained in molecular biological techniques and the operation of QIAcube Connect.

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