

## RNeasy® 96 QIAcube® HT Pretreatment Protocol

### For use with RNeasy 96 QIAcube HT Kit and QIAcube HT Plasticware

This protocol is intended for automatic transfer of the aqueous phase, following disruption of samples with QIAzol® Lysis Reagent, addition of chloroform, and phase separation by centrifugation. It will automatically transfer 350 µl of upper aqueous phase to an empty S-Block using the QIAcube HT instrument. Please refer to the *RNeasy 96 QIAcube HT Kit Handbook* for more information.

### Q Protocol description:

- Run file: **RNeasy 96 QIAcube HT pre-treatment V1.qsp**
- Automated transfer of 350 µl upper aqueous phase from Collection Microtube Rack to an empty S-Block

### Protocol specifications

Specification	Description
Number of samples	24–96 samples (to be processed in increments of 8)
Sample amount	Sample in 750µl QIAzol Lysis Reagent and 150µl chloroform, following phase separation by centrifugation
Volume of upper aqueous phase	Approximately 350 µl
Duration	96 samples in approximately 8 minutes 8 samples in approximately 1 minute Each additional 8 samples extend the processing time by 1 minute



## Worktable setup

For detailed protocol and worktable setup information, see the pre-run report and the *RNeasy 96 QIAcube HT Handbook*.

### Reagents

Reagent	Plasticware	Worktable position
Not needed	Not needed	n.a.

### Consumables

Consumables	Worktable position
Filter-Tips, OnCor C, 200 µl	B2 and C2 (2 x tip racks)

### Samples

Plasticware	Worktable position
1.2 ml Collection Microtubes containing the sample	C1
S-Block, 96-Well	B1

## Ordering Information

Product	Contents	Cat. no.
RNeasy 96 QIAcube HT Kit (5)	For 480 preps: RNeasy plates, RNase-free water, buffers	74171
QIAcube HT Plasticware	For 480 preps: 5 S-Blocks, 5 EMTR RS, 2 x 50 Caps for EMTR, 9 x 96 Filter-Tips OnCor C, TapePad	950067
Elution Microtubes RS	24 x 96 Elution Microtubes, racks of 96; includes cap strips	120008
S-Blocks	24 x 96-well blocks with 2.2 ml wells	19585
QIAzol Lysis Reagent	200 ml QIAzol Lysis Reagent	79306
<b>TissueLyser</b>		
TissueLyser II	Bead mill, 100–120/220–240 V, 50/60 Hz; requires the TissueLyser Adapter Set, 2 x 24 or TissueLyser Adapter Set 2 x 96 (available separately)*	85300
TissueLyser Adapter Set 2 x 24	2 sets of adapter plates and 2 racks for use with 2 ml microcentrifuge tubes on the TissueLyser II	69982
TissueLyser Adapter Set 2 x 96	2 sets of adapter plates for use with Collection Microtubes (racked) on the TissueLyser II	69984
TissueLyser LT	Compact bead mill, 100-240 V AC, 50–60 Hz; requires the TissueLyser LT Adapter, 12-Tube (available separately)†	85600
TissueLyser LT Adapter, 12-Tube	Adapter for disruption of up to 12 samples in 2 ml microcentrifuge tubes on the TissueLyser LT	69980
Stainless Steel Beads, 5 mm (200)	200 stainless steel beads (5 mm diameter), suitable for use with TissueLyser systems	69989
Collection Microtubes (racked, 10 x 96)	Nonsterile polypropylene tubes (1.2 ml), 960 in racks of 96	19560
Collection Microtube Caps (120 x 8)	Nonsterile polypropylene caps for collection microtubes (1.2 ml) and round-well blocks, 960 in strips of 8	19566

\* The TissueLyser II must be used in combination with the TissueLyser Adapter Set 2 x 24 or TissueLyser Adapter Set 2 x 96.

† The TissueLyser LT must be used in combination with the TissueLyser LT Adapter, 12-Tube.

## QIAcube HT instrument

QIAcube HT system	Robotic workstation with UV lamp, HEPA filter, laptop, QIAcube HT operating software, start-up pack, installation and training, 1-year warranty on parts and labor	9001793
Accessories Pack, QXT	Upgrade kit for QIAxtractor instrument; adapter set to use dedicated QIAcube HT kits on the QIAxtractor Contains: Transfer Carriage (9022654), Riser Block EMTR (9022655), and Channeling Adapter (9022656)	9022649

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.

**For a complete list of accessories, visit [www.qiagen.com/p/QIAcubeHT](http://www.qiagen.com/p/QIAcubeHT).**

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