



波仕特生物科技

# HiQ-Column Purification System

## EASE OF USE

- Prefilled reagent cartridge
- 12 samples can be setup within 5 min
- Graphical touch-screen interface

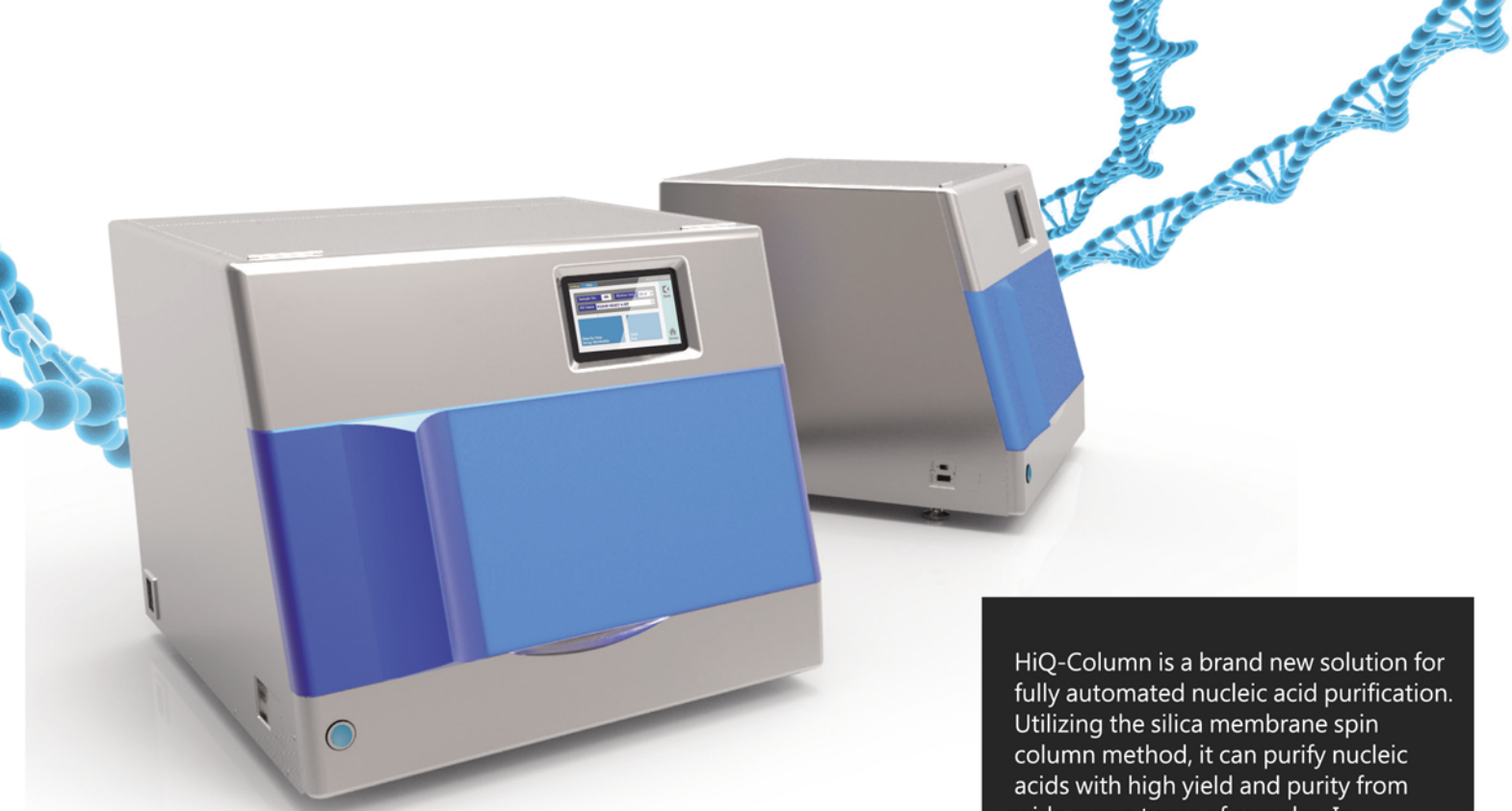
## SIMPLE AND STABLE WORKFLOW

- One sample in one single line
- From lysis to elution

## GREAT PERFORMANCE

- High quality, high purity, high yield

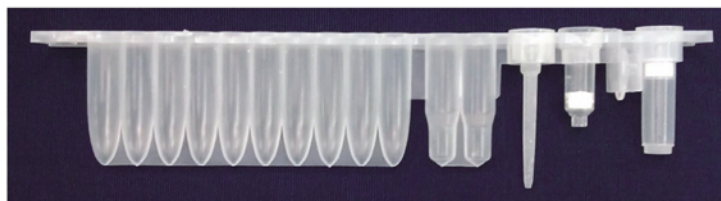




# PRINCIPLES

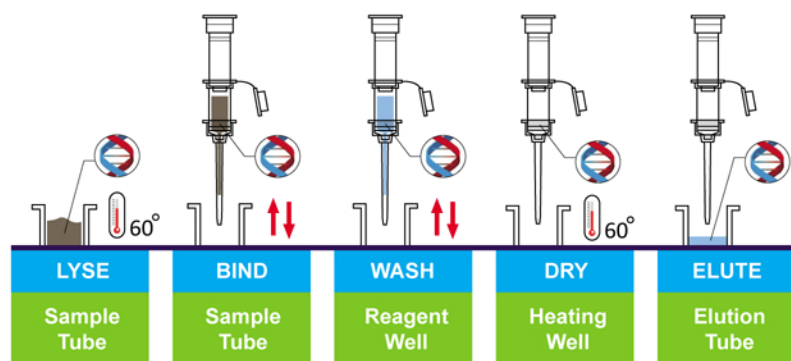
## HiQ-Cartridge™

All necessary reagents and trinity components are prefilled in the HiQ-Cartridge. During the purification process, Trinity column set "moves" along each reagent well of HiQ-Cartridge in an orderly manner. When it reaches each well, nucleic acid is washed and waste is discarded back into the HiQ-Cartridge.



## HiQ-Column Workflow

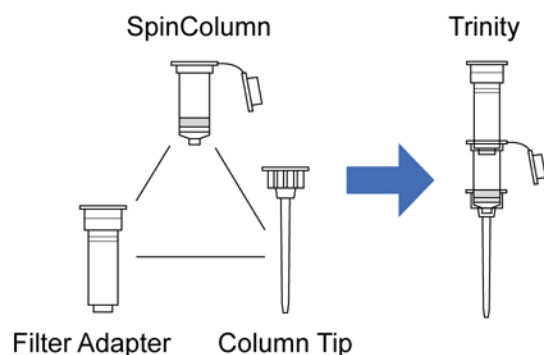
HiQ-Column is a fully walk-away system from Lyse, Bind, Wash, Dry to Elute steps. Robotic arm can connect Trinity by itself and move along with the HiQ-Cartridge to complete whole purification procedure. All movements are in same axis and finally get eluate in elution tube.



HiQ-Column is a brand new solution for fully automated nucleic acid purification. Utilizing the silica membrane spin column method, it can purify nucleic acids with high yield and purity from wide range types of samples. In addition, through our Innovative Trinity Technology, the purification procedure can be done within a small and straight-line cartridge. Without centrifuge and vacuum pump, the workflow becomes extremely easy and different samples can be arranged in an independent channel to avoid cross contamination.

## Trinity Technology™

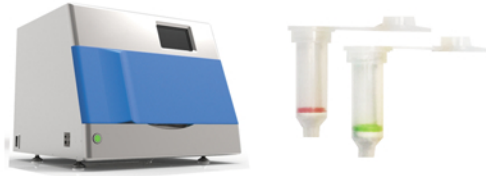
It's a innovative thinking, a new way to purify nucleic acids. We realize the silica-based membrane spin column is non-directional. Therefore, we develop the Trinity, a combination of Spin Column, Filter Adapter and Column Tip. Utilizing the difference of air pressure, the lysate, buffers, and elution can be easily passed through the silica membrane with reversed ways and finally release the high quality eluted samples for further experimental needs.



# FEATURES

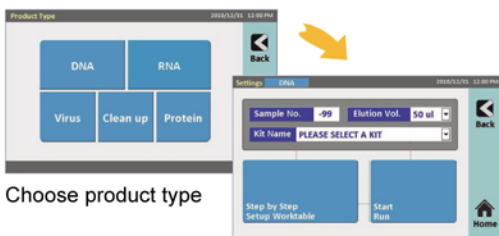
## Proven Purification Technology

HiQ-Column 12/24 utilize a proven spin-column method widely used throughout the world in many publications.



## Ease Of Use

Integrated computer with 7" TFT LCD touch panel and intuitive software design. Navigate you to go through purification procedure smoothly.

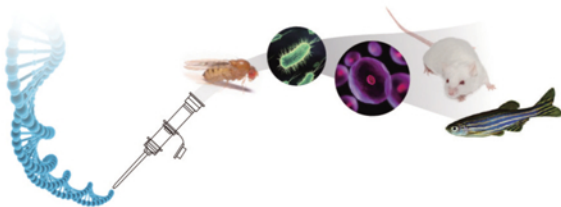


Choose product type

Select protocol, confirm and go!

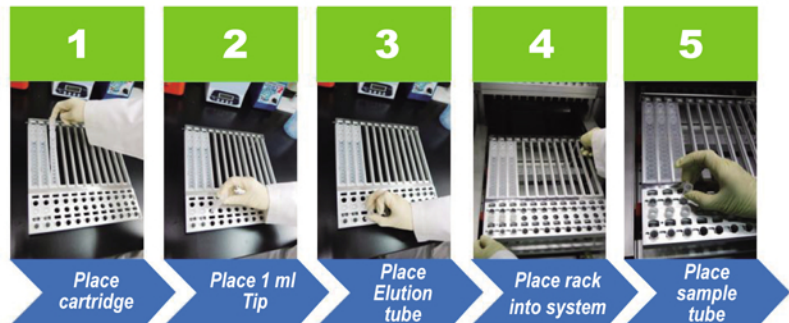
## Wide Applications

The HiQ-Column is preinstalled with protocols for purification of genomic DNA, RNA, Viral DNA/RNA from wide variety of samples



## Ready To Go

With the prefilled reagent cartridge, and convenient setup rack. Experimental setup is easy and requires a minimum handling time.



## Streamline Workflow

Combined the Trinity and HiQ-Cartridge Technology. HiQ-Column is able to purify 1-12 or 1-24 samples simultaneously. All samples are placed in independent line to avoid any crossing over.



# SPECIFICATION

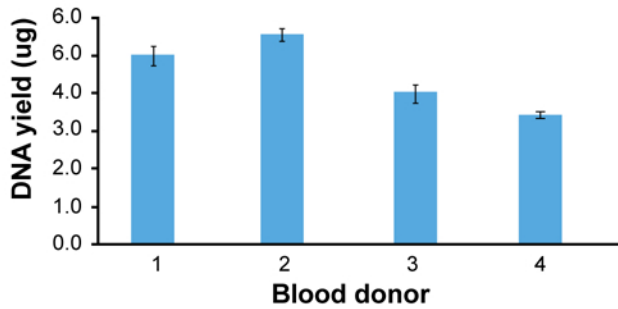
## HiQ-Column 12 & 24 Purification System Specifications

Dimension	W440 x D720 x H640 mm (12) ; W740 x D720 x H640 mm (24)
Net weight	60 kg (12) ; 85 kg (24)
Throughput	1-12;1-24
Power supply	100-240V,50/60 Hz,5A
Electric Control	Internal microprocessor
Light Source	LED white light x1
Heat Block	RT~100°C x1, RT~70°C x1
Touch Screen	WVGA(16:9) 7" TFT LCD
Accessories	12 in 1 Rack x 1 (12) ; 12 in 1 Rack x 2 (24)
Processing time	50-75 min (depend upon sample type and method)
Sample volume	200~400 µl
Elution volume	50,100,150,200 µl
Operating condition	15-30°C



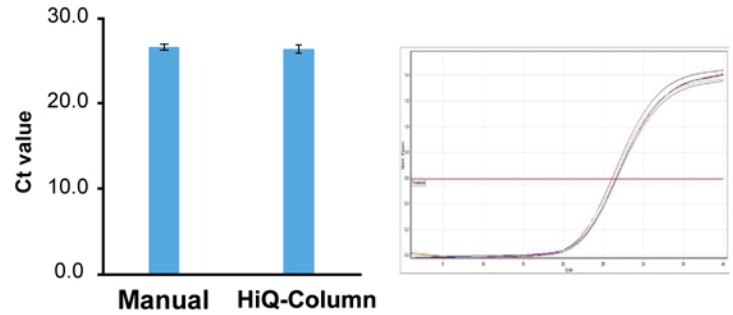
# PERFORMANCE

## Reproducible DNA Yields



Human blood was collected from 4 different donors and treated with EDTA. Genomic DNA was purified from 200µl blood with triplicate using the AccuPure Cell/Blood DNA Mini Kit on the HiQ-Column system. The yield shows high reproducibility. (CV%<5)

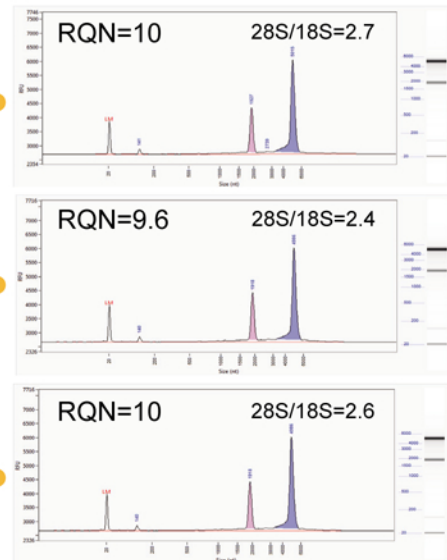
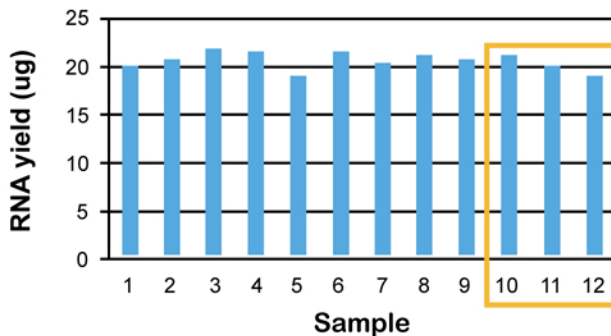
## High Sensitivity of Viral Nucleic Acid As Manual Procedure



HBV DNA were purified from 200ul serum using the AccuPure Viral DNA Mini Kit by the HiQ-Column or by the manual procedure. Viral DNA were analyzed by Qiagen Rotor-Gene Q qPCR system

## Pure, Consistent Yield and High-Integrity RNA

Sample	Yield(ug)	260/280	260/230
Mean	20.21	1.99	2.02
Stdev	0.93	0.04	0.07
CV(%)	4.61	1.96	3.68



RNA was purified from 3 x 10<sup>6</sup> CHO cells using the AccuBioMed RNA Mini Kit on the HiQ-Column.

# ORDERING INFORMATION

Product Name	Content	Cat. No.
HiQ-Column 12	HiQ-Column 12 Automated DNA/RNA Purification System	HIQ1012
HiQ-Column 24	HiQ-Column 24 Automated DNA/RNA Purification System	HIQ1024
AccuPure Cell/Blood DNA Mini Kit (96)	For purification of total DNA from whole blood, buffy coat, body fluids, lymphocytes or cultured cell.	D10096
AccuPure Tissue DNA Mini Kit (96)	For purification of total DNA from animal tissues, bacteria or yeast.	D20096
AccuPure Plant DNA Mini Kit (96)	For purification of total DNA from plant cells, plant tissues or fungi.	D30096
AccuPure Cell/Blood RNA Mini Kit (96)	For purification of total RNA from whole blood, buffy coat, body fluids or cultured cell.	R10096
AccuPure Tissue RNA Mini Kit (96)	For purification of total RNA from animal tissues, bacteria or yeast.	R20096
AccuPure Plant RNA Mini Kit (96)	For purification of total RNA from plant cells, plant tissues or fungi.	R30096
AccuPure Viral DNA Mini Kit (96)	For purification of viral DNA from cell-free body fluids.	D40096
AccuPure Viral RNA Mini Kit (96)	For purification of viral RNA from cell-free body fluids.	R40096



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