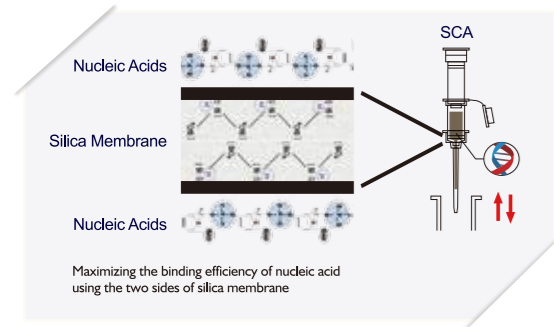


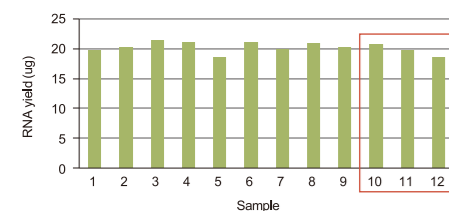
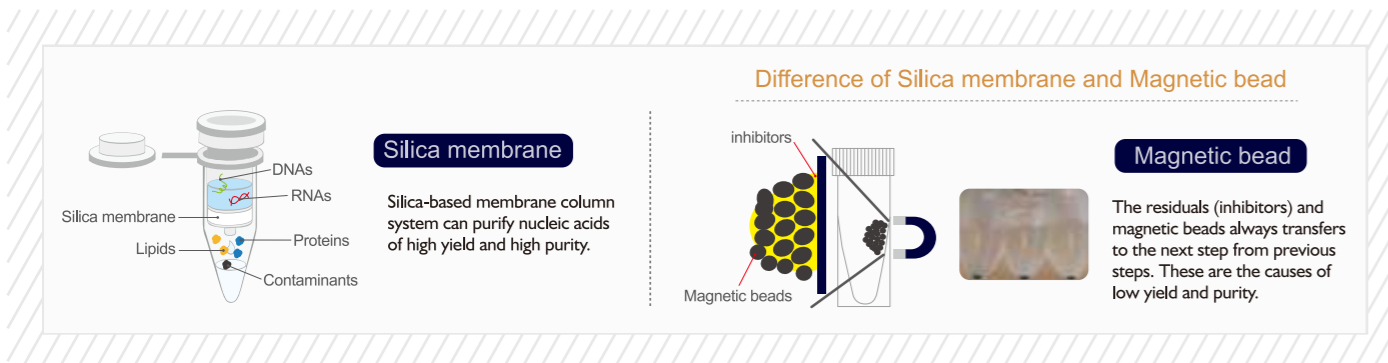
GeneAll® Purification Technology makes advanced automation system for STEADi™

The **STEADi™** system obtains GeneAll® technology for purification procedure. GeneAll® long term technical know-how and in-house made column helps to make even more advanced **STEADi™** system. We proudly guarantees the stable and consistent quality of every GeneAll® products since they are manufactured under strictly clean condition and controlled thoroughly from each batch. Dedicated **STEADi™** kits and simplified automatic purification on the **STEADi™** system will provides wonderful experience of your nucleic acid purification.



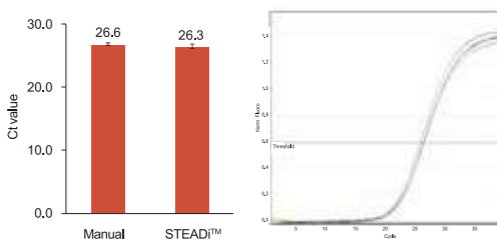
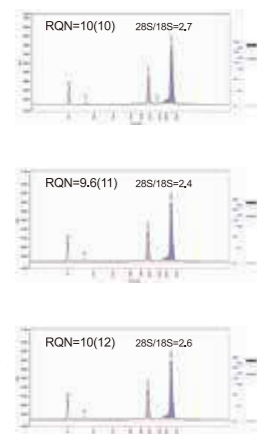
STEADi™ System provides high purity and high yield than other automation system

The **STEADi™** system provides a nucleic acid purification technique developed by GeneAll®, using a specialized silica-based membrane column and reagent technologies.



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

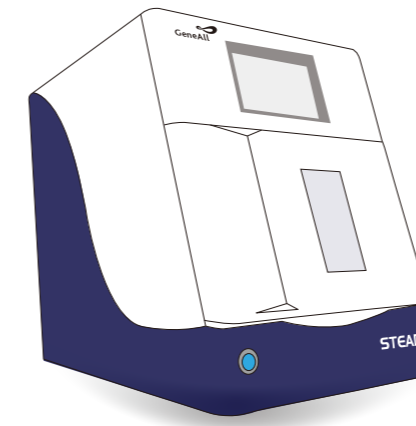
Consistent yield and high quality of RNA. RNA was purified from 3 x 10⁸ CHO cells using the **STEADi™** Total RNA Kit on the **STEADi™** system.



Sensitivity of viral DNA is comparable to the manual procedure. HBV DNA were purified from 200 ul serum using the **STEADi™** Viral DNA / RNA Kit by the **STEADi™** system or by the manual procedure. Viral DNA were analyzed by Real-Time PCR.

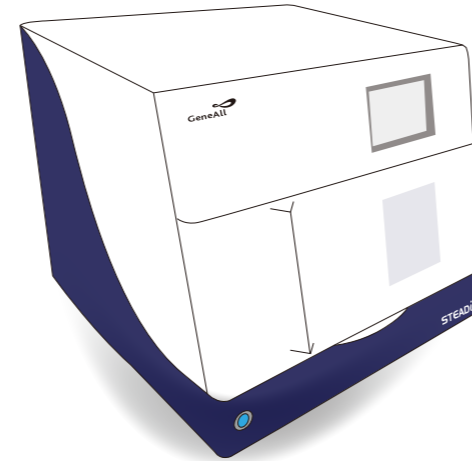
GeneAll® STEADi™ 12 System Specifications

Dimension	W 440 x D 720 x H 640 mm
Weight	60 kg
Throughput	1 ~ 12 samples per run
Power Supply	100 ~ 240 V, 50/60 Hz
Electric Control	Internal microprocessor
Light Source	LED white light
Heating Block	RT ~ 100°C x 1; RT ~ 70°C x 1
Touch Screen	WVGA (16:9) 7" TFT LCD
Processing Time	50 ~ 75 minutes (depend upon sample types and method)
Sample Volume	200 ~ 400 µl
Elution Volume	50, 100, 150, 200 µl
Operating Condition	15 ~ 30°C



GeneAll® STEADi™ 24 System Specifications

Dimension	W 740 x D 720 x H 640 mm
Weight	90 KG
Throughput	1 ~ 24 samples per run
Power Supply	100 ~ 240 V, 50/60 Hz
Electric Control	Internal microprocessor
Light Source	LED white light
Heating Block	RT ~ 100°C x 1; RT~70°C x 1
Touch Screen	WVGA (16:9) 7" TFT LCD
Processing Time	50 ~ 75 minutes (depend upon sample types and method)
Sample Volume	200 ~ 400 µl
Elution Volume	50, 100, 150, 200 µl
Operating Condition	15 ~ 30°C



Ordering Information

Cat.no	Product Name	Size	Content
GST012	STEADi™ 12		STEADi™ 12 DNA/RNA Purification Instrument System
GST024	STEADi™ 24		STEADi™ 24 DNA/RNA Purification Instrument System
401-104	STEADi™ Genomic DNA Cell/Tissue Kit	96	Cartridges set, SCA set, Tubes, Proteinase K
402-105	STEADi™ Genomic DNA Blood Kit	96	Cartridges set, SCA set, Tubes, Proteinase K
403-106	STEADi™ Bacteria DNA Kit	96	Cartridges set, SCA set, Tubes, Proteinase K
404-304	STEADi™ Total RNA Kit	96	Cartridges set, SCA set, Tubes
405-322	STEADi™ Viral DNA/RNA Kit	96	Cartridges set, SCA set, Tubes, Carrier RNA
406-C02	STEADi™ CFC Seed DNA/RNA Kit	96	Cartridges set, SCA set, Tubes

Bridging the World
GeneAll

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GeneAll® **STEADi™** 12/24

Innovative Automated Nucleic Acid Purification System



Innovator in
Automated system.
STEADi™

Bridging the World
GeneAll

**STEADi™
System**

Automated Nucleic acid Purification

The **STEADi™** system opened a new way of automated nucleic acid purification. **STEADi™** can purify the pure nucleic acid from a wide range of starting materials using **GeneAll®** unique SCA technology. The **GeneAll®** SCA technology is a combined form of the column, filter adapter and column tip which they are essential components of silica membrane based purification. SCA column set is placed in the independent line which is particularly designed for the complete prevention of cross contamination. After a few minutes of setup procedure, the integrated LCD touch panel interface allows the completion of operation very easily.

The purified nucleic acids are perfectly suitable for a broad range of downstream applications, including PCR, RT-PCR, qRT-PCR, sequencing, genotyping, gene expression related study and even molecular diagnostic process too.



STEADi™ system provides :

- High yield and ultra pure nucleic acid
- Pre-filled reagent cartridge system for convenient setup
- Easy-to-use and easy-to-maintenance for the operating system
- Proven purification technology by using silica-based membrane column method
- Independent movement for the prevention of cross contamination
- User friendly graphical interface
- Purification of nucleic acid from a wide range of starting materials for successful downstream application

STEADi™ Cartridge System makes everything simple and easy

All necessary reagents and **GeneAll®** SCA column set are pre-filled in the cartridge. During the purification process, **GeneAll®** SCA column set is following the procedure along the each reagent well of cartridge in an orderly manner, then the waste such as used buffers is discarded back into the cartridge. Therefore, **STEADi™** Cartridge System eliminate setup complexity and allow for easy and convenient handling.

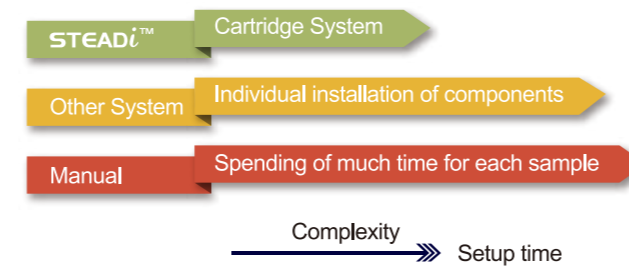


Figure 2. Quick setup time for nucleic acid purification. The **STEADi™** Cartridge System provides a quick and convenient setup for automated nucleic acid purification compared to other system or manual.

GeneAll® SCA Technology for applying the proven silica-based membrane purification method

The **GeneAll®** SCA Technology is an innovative thinking that provides a new way for nucleic acid purification. We realized that the silica-based membrane is non-directional. Therefore, we developed the SCA Technology for applying silica-based membrane. Utilizing the difference of air pressure, the lysate, buffers and elution can be easily passed through the silica membrane with reversed ways. Finally, SCA Technology makes possible to purify the high quality of nucleic acid without built-in centrifuge or huge size of vacuum pump.

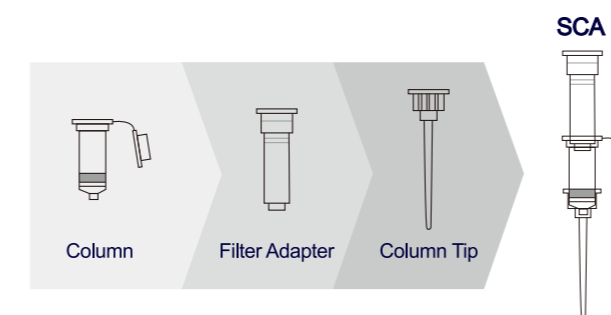


Figure 3. Using the proven purification technology for consistently high yield and purity. **GeneAll®** SCA Technology utilize a proven silica-based membrane column method widely used throughout the world in many publications.

Streamlined workflow through combination of GeneAll® SCA Technology and STEADi™ Cartridge System

The **STEADi™** system is a fully walk-away system for nucleic acid purification. Syringe nozzle can assemble SCA column set by itself and move along with the cartridge to complete whole purification procedure. All movements are in same axis to avoid cross-over contamination.

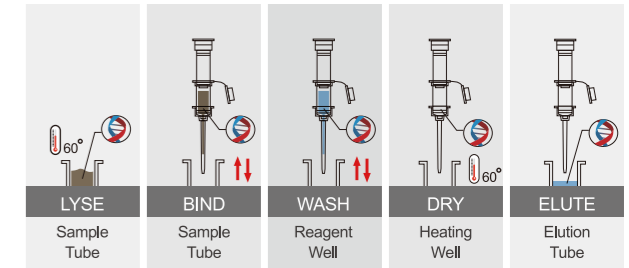


Figure 4. Streamlined workflow. Combined the **GeneAll®** SCA Technology and **STEADi™** Cartridge System. **STEADi™** is able to purify 1-12 or 1-24 samples simultaneously. All samples are placed in independent line to avoid any cross contamination.



Figure 5. User friendly graphical interface. Integrated computer with 7" TFT LCD touch panel and intuitive OS design. Navigate you to go through purification procedure smoothly.

LCD touch panel with user friendly graphical interface

The **STEADi™** OS is controlled by integrated LCD touch screen. Simple touch of LCD interface allows the completion of operation through pre-programmed software. After starting the protocol, the real-time monitoring of experiment is possible through the running clock on the screen.

Wide applications for DNA, RNA and viral DNA/RNA from a variety of samples

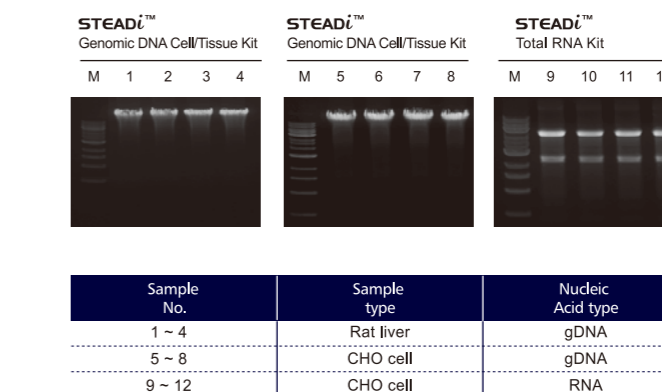


Figure 6. High yield and high purity of nucleic acids. Nucleic acids were purified from rat liver (20 mg) and CHO cells (1×10^6) using the indicated **STEADi™** kits. M: 1 kb ladder

The **STEADi™** system provides with pre-installed protocols for purification of genomic DNA, total RNA and viral DNA/RNA from a variety of samples. All standard protocols in the expanding range can also be updated.

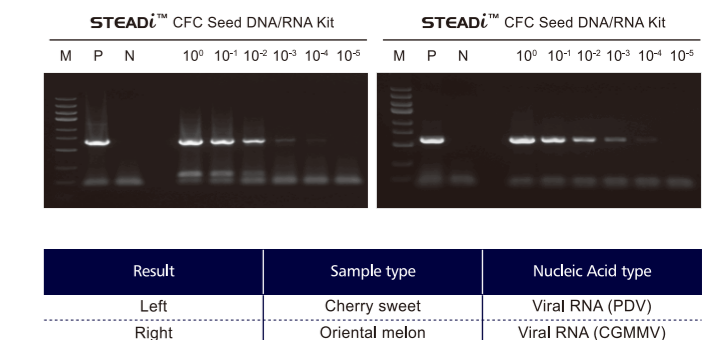


Figure 7. High sensitivity of viral RNA detection. To detect virus infection, **STEADi™** CFC Seed DNA / RNA Kit was used for the extraction of total nucleic acids from virus infected seeds. The serially diluted eluate was used as RT-PCR template from 1 to 10^5 . RT-PCR performed using HyperScript™ One-step RT-PCR master mix (**GeneAll®**). M: 250 bp ladder P: Positive control N: Negative control