

ADVANCED EXTRACTION

ALONG WITH

GENTi™ 32 ADVANCED

Automatic Nucleic Acid Extraction System



I Nucleic acid has been greatly enhanced by the advent of high-throughput system

GENTi™ 32 ADVANCED is a high-throughput instrument for automated nucleic acid purification. It allows rapid purification of nucleic acids from a wide variety of samples driven by proven magnetic bead separation technology.



GENTi™ 32 ADVANCED has advanced features such as well-organized operation protocols for users to apply optimal workflow which best suit a variety of downstream needs and an intuitive touch screen a UV sterilization cycle, providing an extra level of convenience and reproducibility.

Combined with conical-designed 96 deep-well deep plate, the fully integrated and versatile pre-packaged kits offer superior yield of nucleic acids and high-quality results in a various downstream applications such as PCR, qPCR, RT-PCR, RT-qPCR, sequencing, genotyping, and gene expression.

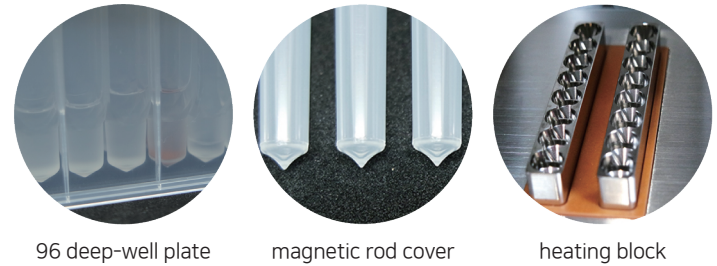
Product features

- High speed and quality performance driven by proven magnetic bead technology
- Pre-loaded reagents and fully automated sample processing, minimal hands-on time
- 2 versatile kits for purification of genomic or bacterial DNA, total RNA, or viral DNA/RNA
- Supports a broad range of sample materials : whole blood, plasma, body fluids, cultured cells, tissues, swab, stool and urine

High efficiency with newly designed tools

Conical shaped 96 deep-well plate and magnetic rod cover are newly designed to maximize sample recover. The conical shape is ideally suited for entire sample to be mixed with magnetic particles and ensures no magnetic beads residual or detaining on the well side.

Enhanced encapsulated deep-well heating block significantly increases temperature control accuracy, improves efficiency of lysis and elution.



96 deep-well plate

magnetic rod cover

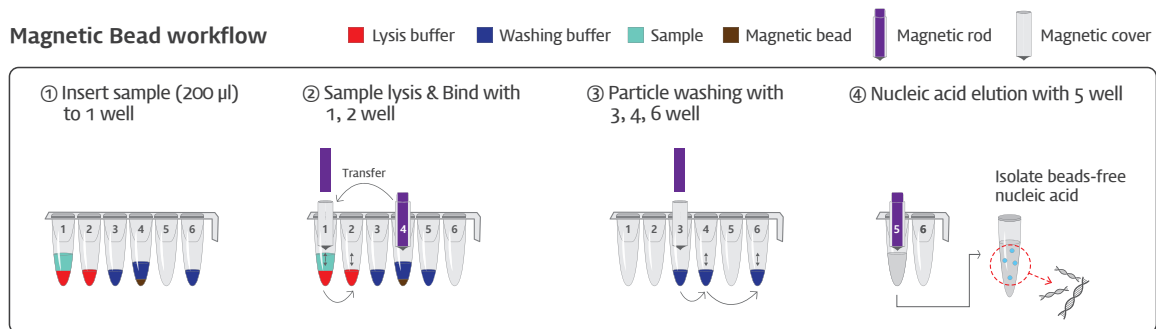
heating block

Close fit of conical shaped plate, rod cover and heat block for efficient lysis and elution

High quality extraction with magnetic particle mover

The use of advanced magnetic bead separation technology minimizes the risk of cross-contamination, precision pipetting and clogging worries, yielding highly purified nucleic acid.

Magnetic Bead workflow



High flexibility in operation protocols

GENTi™³² ADVANCED system offers three different types of operation protocols depending on the requirement of the downstream application to be used. It provides flexibility with 'Fast', 'Normal', and 'High' protocols for the operation.

Match your purification needs to three operation protocols best suited to your sample type and downstream application.

Protocol	Uses and Purpose
Fast (17' 46")	<ul style="list-style-type: none"> • Time-saving, high-speed extraction of POC test or PCR-ready nucleic acid • Double check the accuracy of positive sample rapidly
Normal (29' 35")	<ul style="list-style-type: none"> • Standard procedure of high quality nucleic acid extraction • Optimized for nucleic acid extraction from a variety of clinical samples
High (42' 12")	<ul style="list-style-type: none"> • High throughput NGS-grade nucleic acid extraction • Accommodate complex samples

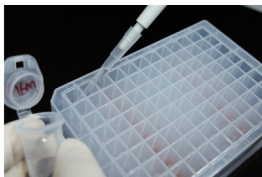
High level of convenience with 3 easy step

GENTi™³² ADVANCED takes ease of use to a new level. Place pre-filled cartridges in the GENTi™³² ADVANCED. Press "Run" to purify 1-32 samples using the pre-programmed method. In just three step, the GENTi™³² ADVANCED system yields pure, high-concentration nucleic acid.

GENTi™³² ADVANCED System Workflow

1

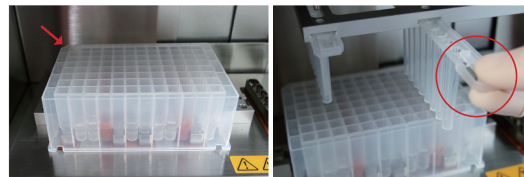
Load Sample



Load samples into 96 deep-well plate

2

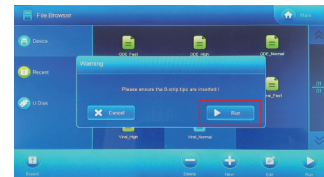
Load System



Insert magnetic rod cover On-board 96 deep-well plate

3

Start Run



- Select operation protocol
- Fast throughput for up to 32 samples/run

System specification

Extraction system method	Magnetic Bead
Processing capacity	1 to 32 samples per run
Processing Time	Fast protocol : (17' 46") Normal protocol : (29' 35") High protocol : (42' 12")
Convenience funtion	Self-test, USB update
Sterilization	UV lamp
Power input	100-240 V, 50-60 Hz, 600 W

Dimesnsion	395 W x 430 L x 435 WH (mm)
Weight	32.5 kg
Operating temperature	5~120°C
Relative humidity	20~70%
Sample volume	200 µl
Elution volume	100 µl
Display	8 inch LCD color display

Ordering Information

Category	Cat. No.	Product Name
Equipment	GTI032A	GENTi™ ³² Advanced Automatic Extraction
DNA Extraction kit	901-096A	GENTi™ ³² Advanced DNA Extraction Kit (Plate Type, 96T)
Viral DNA/RNA Extraction kit	902-096A	GENTi™ ³² Advanced viral DNA/RNA Extraction Kit (Plate Type, 96T)
Viral DNA/RNA Extraction kit	902-048A	GENTi™ ³² Advanced viral DNA/RNA Extraction Kit (Tube Type, 48T)
Accessory of 902-048A	910-002A	GENTi™ ³² Advanced Aluminum Tube Rack

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