

SP-NE32

Automated Nucleic Acid Extractor

Perform 16/32 samples extraction in approximately 10 mins

Minimum
10 mins

32
Samples

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extraction in approximately 10 mins

ORDER INFORMATION

Equipment

Cat. No.	Product name	Specification
950-000020-00	MGISP-NE32RS Automated Nucleic Acid Extractor	EA, CE RUO
950-000013-00	MGISP-NE32 Automated Nucleic Acid Extractor	EA, CE IVD

Consumable

Item NO.	Product name	Specification
1000022599	Plastic Magnetic Wand Cover	2 Pieces / Bag 50 bag/case
091-000444-00	2.2 mL 96-well V Bottom deep well plate (MGISP-NE32)	24 EA/box

Reagent

Item NO.	Product name	TAT	specifications
1000023774	MGIeasy Nucleic Acid Extraction Kit (OP02-32)	35min	32 preps; RUO
1000022606	Nucleic Acid Extraction Kit (OP02-32)		32 preps; CE-IVD
1000023938	MGIeasy Nucleic Acid Extraction Kit (VDR03P-32)	11min	32 preps; RUO
1000023937	Nucleic Acid Extraction Kit (VDR03P-32)		32 preps; CE-IVD
940-000113-00	MGIeasy FFPE DNA Prepacked Kit (MGISP-NE32)	25min	32 preps; RUO
940-000071-00	MGIeasy Blood Genomic DNA Extraction Prepacked Kit (MGISP-NE32)	50min	32 preps; RUO



AUTOMATED NUCLEIC ACID EXTRACTOR |
SP-NE32

MGI Tech Co., Ltd.

Building 11, Beishan Industrial Zone, Yantian District, Shenzhen, CHINA 518083

(+86) 4000-688-114

global-mgitech.com

MGI-service@mgi-tech.com



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■ SP-NE32

SP-NE32 is an automated nucleic acid extractor adopting magnetic rod technology. Together with nucleic acid extraction kit, SP-NE32 is able to extract and purify nucleic acid from 16/32 samples in approximately 10 mins.

■ Technical Principle

The nucleic acid extraction and purification is performed in four automated steps - lysis, binding, washing and elution. Using magnetic rods and disposable tips, SP-NE32 is intended for automated moving and processing of magnetic particles in a 96-well plate.



8-inch Built-in Touch Screen

Create, edit and delete program

Reagent and Consumable

96-well pre-packed plate
Disposable tip

Flexible

- Adjustable mixing module with multiple modes & gears, compatible with different magnetic particles and reagents.

Efficient

- Moving and processing magnetic particles, extracting and purifying nucleic acid from 16/32 samples in approximately 10 mins.

Safe

- UV lamp, 96-well pre-packed plate and disposable tip, avoiding cross-contamination by minimizing contact with sample.

Stable

- Specially designed heating block for 96-well plate, ensuring even heating during the experiment.



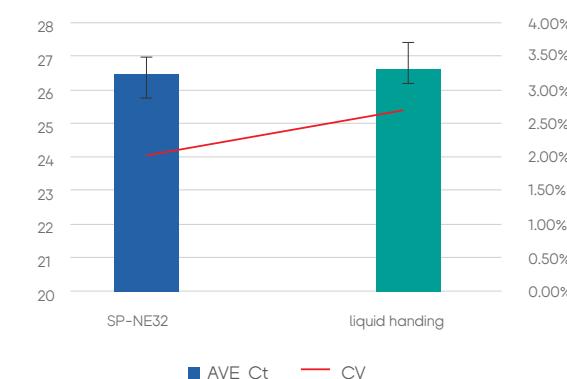
Temperature Control Module

Temperature Control, Lysis/Elution well	From +5°C above ambient temperature to 120°C
Temperature Precision	≤±1°C

Mixing Module

Adjustable mixing module with multiple modes & gears

■ Performance



Test method

SP-NE32 VS Liquid handling method

Evaluation standard

RT-PCR

Test samples

Simulated samples of throat swab containing novel corona virus (RNA), dilute them in different concentrations

Test results

Ct value of fluorescent quantitative PCR is almost equal, that demonstrated the yield of virus RNA is coincident between SP-NE32 and liquid handling method. Meanwhile, the reproducibility is great, the CV of Ct value is less than 2.5%.

■ ONE-STOP PLATFORM

Provide instrument, consumables and kits for extraction



SP-NE32

- Automated Nucleic Acid Extractor
- Automated extraction step
- Moving and processing magnetic particles
- Nucleic acid extraction from 16/32 samples in approximately 10 mins.



Nucleic Acid Extraction Kit

- 96-well pre-packed plate
- Good extraction stability and reproducibility
- Compatible with Automated Nucleic Acid Extractor
- Adapted to most downstream applications: PCR, RT-PCR, Sequencing, etc.



Minimum
10 mins **32**
Samples

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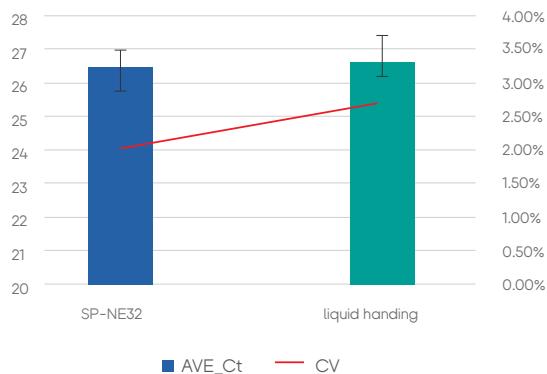
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SP-NE32 VS Liquid handling method

- **Evaluation standard**

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