Minimum 9 mins | **32** Samples

Perform 16/32 samples
extraction in approximately 9 mins

AUTOMATED NUCLEIC ACID EXTRACTOR

MGISP-NE32

CB CE NMPA

Leading Life Science Innovation

MGI Tech Co., Ltd

MGISP-NE32

MGISP-NE32 is an automated nucleic acid extractor adopting magnetic rod technology. Together with nucleic acid extraction kit, MGISP-NE32 is able to extract and purify nucleic acid from 16/32 samples in approximately 9 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, MGISP-NE32 is intended for automated moving and processing of magnetic particles in a 96-well plate.

Lysis/ Bind Sample lysis, nucleic acid binding with magnetic particles.

Wash Magnetic particles washing, removing contaminants and inhibitors.

Elute Nucleic acid separation with magnetic particles and elution in elution buffer.

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 9 mins.

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

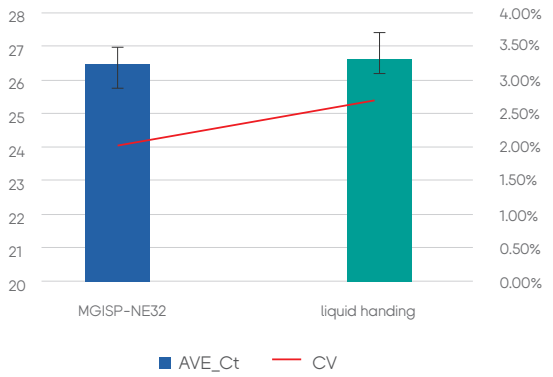
Stable
- Specially designed heating block for 96-well plate, ensuring even heating during the experiment.

Temperature Control Module

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

Mixing Module
Adjustable mixing module with multiple modes & gears

Performance



- **Test method**

  MGISP-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 MGISP-NE32 and liquid handling method. Meanwhile, the reproducibility is great, the CV of Ct value is less than 2.5%.

ONE-STOP SOLUTION

Provide instrument, consumables and kits for extraction

MGISP-NE32

- Automated Nucleic Acid Extractor
- Automated extraction step
- Moving and processing magnetic particles
- Nucleic acid extraction from 16/32 samples in approximately 9 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.

MGISP-NE32

Automated Nucleic Acid Extractor

Perform 16/32 samples extraction in approximately 9 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

Reagent

Cat. No.	Product name	Specification	Feature
1000023774	MGIEasy Nucleic Acid Extraction Kit (OP02-32)	32 preps, CE RUO	35 mins, Standard Version
1000022606	Nucleic Acid Extraction Kit (OP02-32)	32 preps，CE IVD	35 mins, Standard Version
1000023938	MGIEasy Nucleic Acid Extraction Kit (VDR03P-32)	32 preps, CE RUO	9 mins, Fast Version
1000023937	Nucleic Acid Extraction Kit (VDR03P-32)	32 preps，CE IVD	9 mins, Fast Version

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