

MGI Automated Sample Extraction Solutions for Covid-19 Assays



MGI
华大智造

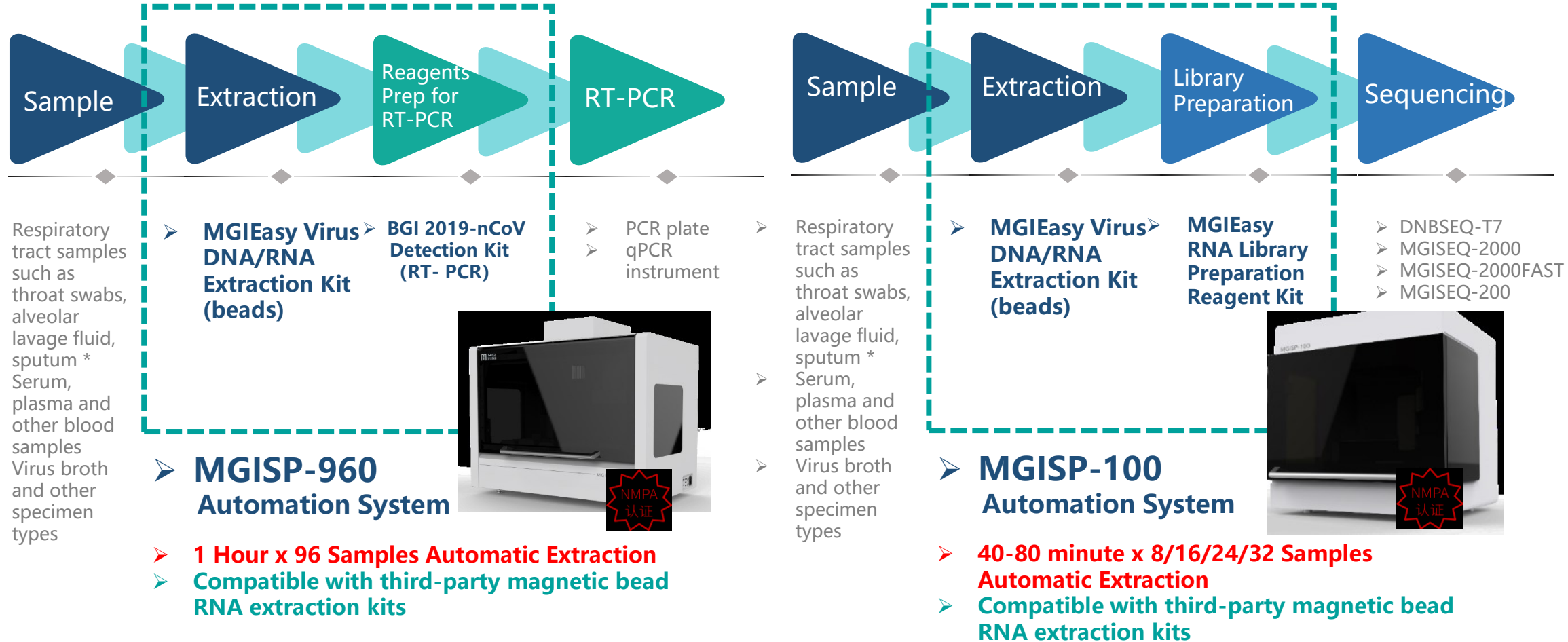
For Research Use Only. Not for Use in Diagnostics Procedures



One-Stop Nucleic Acid Extraction Solution



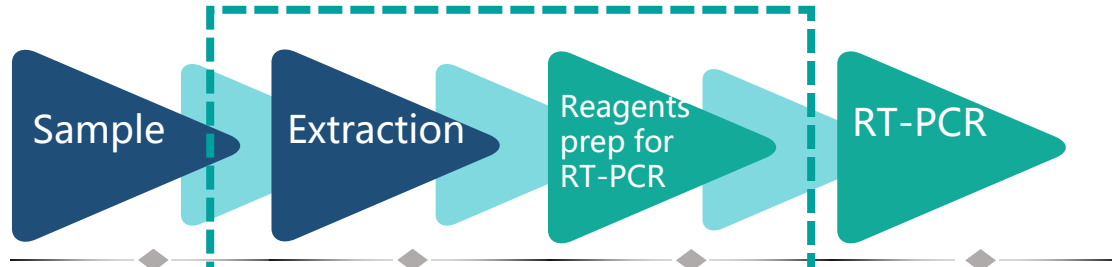
Including automated extraction equipment and extraction kits, completed in 40-80 minutes - ① Support the automation of RT-PCR system configuration ② Support the automation of high-throughput sequencing library preparation ③ Open system



* P.S. Sputum samples need to be liquefied before entering automation



Extraction Solution RT-PCR - 500 Samples for 1 Day



- Respiratory tract samples such as throat swabs, alveolar lavage fluid, sputum *
- Serum, plasma and other blood samples
- Virus broth and other specimen types

➤ **MGIEasy Virus DNA/RNA Extraction Kit (beads)**

➤ **BGI 2019-nCoV Detection Kit (RT- PCR)**

- PCR plate
- qPCR instrument

➤ **MGISP-960 Automation System**



- **1 Hour x 96 Samples Automatic Extraction**
- **Compatible with third-party magnetic bead RNA extraction kits**

* P.S. Sputum samples need to be liquefied before entering automation

➤ **MGIEasy Virus DNA/RNA Extraction Kit (beads)**

Certificate: 鄂汉械备20200167

- Good extraction stability
- High recovery rate to ensure the extraction success rate of low concentration samples
- Covering broad samples
- Adapted to automated sample processing systems
- Suitable for downstream applications: PCR, RT-PCR, chip hybridization, sequencing, etc.

➤ **BGI 2019-nCoV Detection Kit (RT- PCR)**

Certificate: 国械注准2020340060

- High sensitivity: 100 copies / ml verified by clinical specimens
- Good specificity: no cross-reaction with corona-viruses such as SARS
- Quality control throughout the inspection process: set internal parameters to monitor sampling quality and testing process

| Equipments | |
|----------------|-----------------------|
| 1*MGISP-960 | 8 hours, 700 samples |
| 1*qPCR Machine | 12 hours, 700 samples |



Extraction Solution MPS - 100 Samples for 1 Day



- Respiratory tract samples such as throat swabs, alveolar lavage fluid, sputum *
- Serum, plasma and other blood samples
- Virus broth and other specimen types

➤ **MGIEasy Virus DNA/RNA Extraction Kit (beads)**

➤ **MGIEasy RNA Library Preparation Reagent Kit**

- DNBSEQ-T7
- MGISEQ-2000
- MGISEQ-2000FAST
- MGISEQ-200



➤ **MGISP-100 Automation System**

- **40-80 minute x 8/16/24/32 Samples Automatic Extraction**
- **Compatible with third-party magnetic bead RNA extraction kits**

* P.S. Sputum samples need to be liquefied before entering automation

● --- ➤ **MGIEasy Virus DNA/RNA Extraction Kit (beads)**

Certificate: 鄂汉械备20200167

- Good extraction stability
- High recovery rate to ensure the extraction success rate of low concentration samples
- Covering broad samples
- Adapted to automated sample processing systems
- Suitable for downstream applications: PCR, RT-PCR, chip hybridization, sequencing, etc.

● --- ➤ **MGIEasy RNA Library Preparation Reagent Kit**

- Compatible with multiple types of samples from multiple species, including humans, flora and fauna, microbes, and slightly degraded RNA, FFPE samples, and blood samples
- High transcript coverage, comprehensive and accurate
- Highly uniform coverage of the 5' to 3' end of the transcript
- Excellent 3' end coverage

| Equipments | |
|-----------------------------|------------------------|
| 4*MGISP-100 (Extraction&LP) | 2*8 hours, 128 samples |
| 1*DNBSEQ-T7 | 20 hours, 128 samples |

Automated Extraction Solution Packages

| Package 1: CE RUO MGISP-100RS (with PCR) + 10,000 rxn reagents + consumables | | | | | ly100ruo10k |
|--|---|-------------------|---------------|--------------------------|-----------------------|
| Package for 10800 samples = 120samples/Day * 30 day/month *3 months | | | | | 42367 |
| Product Type | Product Name | Specification | Part Num | List Price (USD) | Package for 10000 rxn |
| Instrument | DNA Sequencing Library Preparation System MGISP-100RS | CE RUO | 900-000206-00 | 80,000 | 1 |
| Reagent | MGIEasy Magnetic Beads Virus DNA/RNA Extraction Kit | 96 preps | 1000020471 | 402 | 105 |
| Consumable | 250 µL automated filter tips | 10 boxes per bag | 1000000723 | 60 | 65 |
| Consumable | 1.3 mL U-bottom deep-well plate | 2 plates per bag | 1000004644 | 5 | 160 |
| Consumable | Break-away 96-well, clear tubes, purple frame | 10 plates per bag | 1000004341 | 130 | 22 |
| Consumable | Strips of 8 flat optical caps | 12 strips per bag | 1000002039 | 15 | 220 |
| | | | | Package List Price (USD) | 122285 |

| Package 3: CE RUO MGISP-960(Configuration 9) ; 96 Samples/ 60min, 192 Samples/80min | | | | | ly960ruo1m | ly960ruo2m | ly960ruo3m |
|--|---|------------------------|---------------|--------------------------|-----------------------|-----------------------|-----------------------|
| Package for 18000 samples /1 month & 36000 samples /2 months & 54000 samples /3 months 600samples/Day | | | | | 63422 | 126843 | 190265 |
| Product Type | Product Name | Specification | Part Num | List Price (USD) | Package for 18000 rxn | Package for 36000 rxn | Package for 56000 rxn |
| Instrument | MGISP-960RS High-throughput Automated Sample Preparation System | Configuration9, CE RUO | 900-000154-00 | 102,000 | 1 | 1 | 1 |
| Reagent | MGIEasy Magnetic Beads Virus DNA/RNA Extraction Kit | 1728 preps | 1000020261 | 6280 | 11 | 22 | 33 |
| Consumable | 250 µL automated filter tips | 10 boxes per bag | 1000000723 | 60 | 150 | 300 | 450 |
| Consumable | 1.3 mL U-bottom deep-well plate | 2 plates per bag | 1000004644 | 5 | 500 | 1000 | 1500 |
| Consumable | Hard-shell thin-wall 96-well skirted PCR plates, white shell/clear well | 10 plates per bag | 1000012059 | 90 | 25 | 50 | 75 |
| | | | | Package List Price (USD) | 165046 | 228467 | 291889 |

Automated Extraction Solution Packages

| Packages | Bundle |
|---|---------------|
| Package 1: CE RUO MGISP-100RS (with PCR) + 10,000 rxn reagents + consumables | sp100/ruo/10k |
| Package 3: CE RUO MGISP-960(Configuration 9) ; 96 Samples/ 60min, 192 Samples/80min | sp960/ruo/m1 |
| Package 3: CE RUO MGISP-960(Configuration 9) ; 96 Samples/ 60min, 192 Samples/80min | sp960/ruo/m2 |
| Package 3: CE RUO MGISP-960(Configuration 9) ; 96 Samples/ 60min, 192 Samples/80min | sp960/ruo/m3 |