

FIGHT AGAINST COVID-19

Massively Parallel Sequencing for SARS-CoV-2 Detection and Surveillance



Ⓒ Automation Platform and Genetic Sequencer Bundle Plans Available

Why Massively Parallel Sequencing (MPS)?

- ✓ Detect co-infection and secondary infection
- ✓ Provide first-hand information without prior pathogen information
- ✓ Provide reference for diagnostic kits development and vaccine research
- ✓ Full-length genome information for virus source tracing and mutation monitoring



MGI MPS Solution

Multiplex PCR-based MPS

ATOPlex SARS-CoV-2 Full Length Genome Panel V1.0
(MGI, Cat No.: 1000021178)

- Multiplex PCR-based targeted sequencing panel
- Virus detection, genome assembly and traceability
- Highly sensitive, convenient and economical

Metatranscriptomic Sequencing

MGIEasy RNA Library Prep Set (MGI, Cat No.: 1000006383)
MGIEasy rRNA Depletion Kit (MGI, Cat No.: 1000005953)

- Full length Genome sequence
- Detect all pathogenic microorganisms in one sample
- Integrated analysis and report pipeline

Automation Platform

Scale up throughput of DNA/RNA extraction and library prep



MGISP-100
(MGI, Cat. No.: 900-000207-00)



MGISP-960
(MGI, Cat. No.: 900-000165-00)

Sequencing Platform



Mid-to-high Throughput
DNBSEQ-G50
(MGI, Cat. No.: 900-000180-00)



High Throughput
DNBSEQ-G400
(MGI, Cat. No.: 900-000168-00)



Ultra-high Throughput
DNBSEQ-T7
(MGI, Cat. No.: 900-000130-00)