

- Accuracy
- Multiplex
- Rapid
- Customized Panel

Fully Automated Molecular POCT Analyzer

Microfluidic Chip

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The new molecular POCT analyzer independently designed and developed by Bioer Technology based on microfluidic chip technology uses unique centrifugal rotation (acceleration, deceleration, positioning) to make the liquid flow and mix, which can complete the whole process of nucleic acid extraction and amplification detection of tested samples in the microfluidic chip, making experiments simpler, faster and more accurate. The instrument structure is simple, easy to carry, no debugging is needed, plug and play. The operation of the software interface is simple without other experimental settings.

Features

Full Automated

Complete the nucleic acid extraction and amplification detection automatically through liquid flowing, no need to add extra liquid.

Simple Workflow

The reagents are pre-embedded, with minimal hands-on time, just to add samples in, then results out.

Expandable Modules

Scalable configuration allows up to 4 units to be controlled by one laptop

Multiple Detection

4-6 channels design, support 48 fluorescent targets at the most. Supports customized panel.

All-in-One Cartridge

Totally enclosed microfluidic chip to reduce the risk of contamination.

Fast, Easy and Efficiency

Sample in, result out in 60 min.



Mchip-2000A Test Panels (Microfluidic Chip)

Sample in, result out in just one hour

Seven Respiratory Pathogens Nucleic Acid Detection Kit

Sample Type: oropharyngeal swab, nasopharyngeal swab

- Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
- Influenza A Virus
- Adenovirus
- Influenza B virus
- Mycoplasma Pneumoniae
- Respiratory Syncytial Virus A
- Respiratory Syncytial Virus B

Seventeen Respiratory Pathogens Nucleic Acid Detection Kit

Sample Type: oropharyngeal swab, nasopharyngeal swab

- Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
- Influenza A
- Adenovirus
- Chlamydia pneumoniae
- Bocavirus
- Rhinovirus
- Haemophilus influenzae
- Influenza B
- Mycoplasma pneumoniae
- Human metapneumovirus
- Enterovirus
- Streptococcus pneumoniae
- Respiratory syncytial virus A
- Respiratory syncytial virus B
- Parainfluenza virus type I
- Parainfluenza virus type II
- Parainfluenza virus type III

Twenty-five Respiratory Pathogens Nucleic Acid Detection Kit

Sample Type: oropharyngeal swab, nasopharyngeal swab

- Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
- Influenza A
- Influenza A/H1
- Influenza A/H3
- Influenza B Yamagata
- Influenza B Victoria
- Bocavirus
- Enterovirus
- Rhinovirus
- Adenovirus
- Mycoplasma pneumoniae
- Chlamydia pneumoniae
- Coronavirus 229E
- Coronavirus OC43
- Coronavirus NL63
- Coronavirus HKU1
- Streptococcus pneumoniae
- Respiratory syncytial virus A
- Respiratory syncytial virus B
- Human metapneumovirus
- Parainfluenza virus type I
- Parainfluenza virus type II
- Parainfluenza virus type III
- Parainfluenza virus type IV
- Haemophilus influenzae

Twelve Sexually Transmitted Disease (STD) Pathogens Nucleic Acid Detection Kit

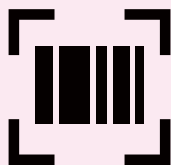
Sample Type: male urethral swab, female cervical swab

- Chlamydia trachomatis (CT)
- Treponema pallidum (TP)
- Gardnerella vaginalis (GV)
- Mycoplasma hominis (MH)
- Neisseria gonorrhoeae (NG)
- Trichomonas vaginalis (TV)
- Haemophilus ducreyi (HD)
- Ureaplasma parvum (UP)
- Ureaplasma urealyticum (UU)
- Herpes simplex virus type 1 (HSV-1)
- Herpes simplex virus type 2 (HSV-2)
- Mycoplasma genitalium (MG)

Workflow

1

Scan microfluidic chip



2

Load sample



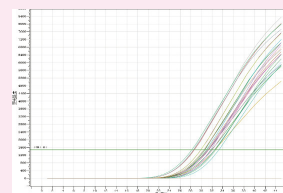
3

Run protocol



4

Result out in 60 min



Specification

Product Name	Fully Automated Molecular POCT Analyzer
Product Model	Mchip-2000A
Touch Screen	8 inch
Sample Throughput	2, Expandable to 4, 6, 8 throughput
Fluorescence Channels	4, 5, 6
Multiplex	Up to 48 targets
Fluid Drive	Centrifugal rotation
Detection Time	60 minutes
Power Supply	100-240 V, 50/60 Hz, 500W
Dimensions	300 (L)x410 (W)x350(H) mm
Weight	18 kg

* For research use only.



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