

CapitalBio® RTIsochip™ -W

Isothermal Microfluidic Chip Analyzer

Four individual modules work independently and simultaneously Original microfluidic chip technology Rapid detection and High-throughput

Product Introduction

The instrument perfectly combines the microfluidic technology with the constant temperature amplification technology, which can complete the nucleic acid detection of the sample within 50 minutes. Each instrument can detect four samples simultaneously.



CapitalBio® RTIsochip™ -W
Isothermal Microfluidic Chip Analyzer

Features

★ High -throughput

- Four individual modules work independently and simultaneously
- Flexible combination for high detection needs

★ Simple and Rapid detection

- Detection completed within 50 minutes
- the shortest detect time is 20 minutes
- data stored automatically
- can be linked with Laboratory Information System (LIS), and report can be printed directly

★ High Accuracy and Efficiency

- The isothermal amplification technology brings high accuracy and efficiency to the system. The amplification, detection and reports generation can be done in one step process.

★ Pollution prevention

- Nucleic acid amplification is done in the closed chip to avoid cross contamination and effectively prevent aerosol from polluting the environment

★ Multi index parallel detection

- multiple detection indicators can be embedded within one chip, and can be completed within one experiment

Application Field

★ Medical diagnosis

- Detection of pathogenic microorganisms in infectious diseases

★ Animal husbandry and aquaculture

- Detection of pathogenic microorganisms in dairy cow mastitis

★ Detection of agricultural products

- Detection of genetically modified crops
- Detection of plant disease

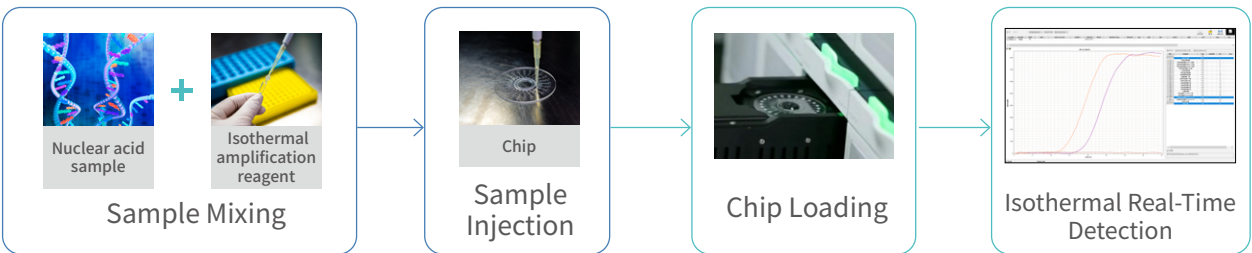
★ Food Safety

- Detection of foodborne pathogenic microorganisms

★ Environmental field

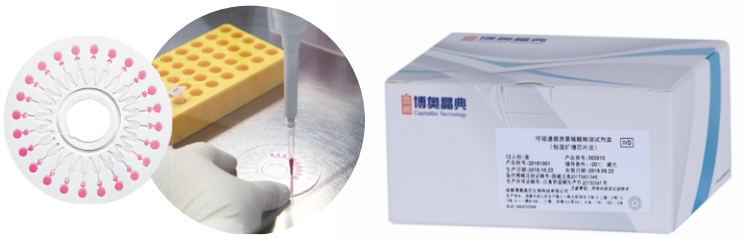
- Detection of pathogenic microorganisms in environment and water

Detection Process



← Test time is lower than 50 min →

Available Detection Kit



Respiratory Pathogens Nucleic Acid Detection Kit (Isothermal Amplification on Disk Chip)

Performance Index

Model	RTIsochip™ -W
Size	586 (± 5) mm (L) × 690 (± 5) mm (W) × 175 (± 5) mm (H)
Weight	33 (± 2) kg
Working conditions	Rated power: AC 220 V, 50 Hz, power: 900 VA
Excitation light source	The excitation wavelength of blue LED is 460-475 nm, and the power supply is 1 W
Detection throughput	Four individual modules work independently, detects at any time
Detection time	Less than 50 minutes, the positive results can be shown within 20 minutes at the fastest
Temp Accuracy	0.5° C

CapitalBio Technology

Add: 88 Kechuang 6th Street, Building C, Yizhuang Biomedical Park, Beijing Economic-Technological Development Area, Beijing 101111, China
<http://en.capitalbiotech.com/en/index.html> Tel: +86-10-69002900 E-Mail: globalsales@capitalbiotech.com