

DxLab-32A

Automated Nucleic Acid Purification and Real Time PCR System



Descriptions

DxLab-32A integrates the functions of nucleic acid extraction and PCR analysis into one system, achieving fully automated operation, and a "sample-in-result-out" workflow. It is equipped with six fluorescence channels and can produce results in as little as 50 minutes, greatly improving detection efficiency, as well as saving a lot of manpower and time.

Features

01

Fast
Workflow



High heating rate leads to high reaction efficiency and reduced reaction time.

02

Sample in,
answers out



It eliminates problems with conventional nucleic acid analysis, which takes a long time and depends on personnel, equipment, and venues.

Applications

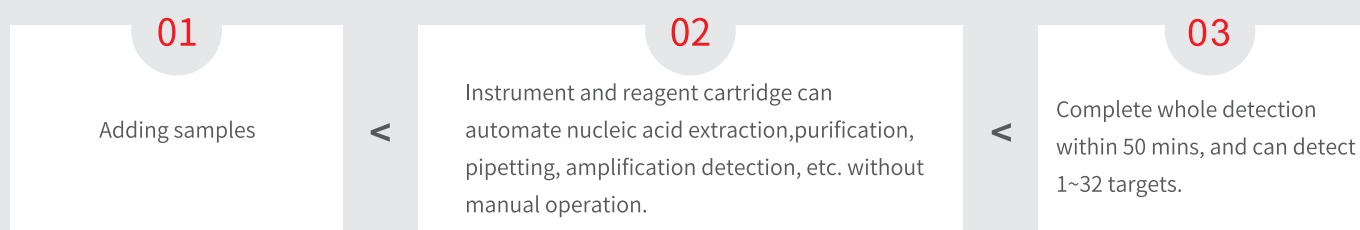
Hospital outpatient clinics	Testing institutions	Customs
Airports	Mobile vehicle laboratories	Universities and Research institutes



Specifications

Parameters	Description	Parameters	Description
Throughput	1~32	Optical Channels	6 Channels: FAM, HEX, ROX, CY5, QUASAR705, and Atto425
Maximum Heating Rate	≥ 10 °C/s	Fluorescence Intensity Detection Precision	$\leq 5\%$
Maximum Cooling Rate	≥ 6.5 °C/s	Fluorescence Intensity Detection Repeatability	$\leq 1\%$
Temperature Control Precision	≤ 0.1 °C	Inter-channel Fluorescence Interference Threshold	10%
Reaction Volume	15~100 μ L	Melting Curve Temperature Range	35.0°C~95.0°C
Temperature Uniformity	± 0.1 °C	Sample Detection Repeatability	$\leq 3\%$
Nucleic Acid Extraction Consistency	$\leq 5\%$	Pipetting Accuracy	$\leq \pm 5\%$ (≤ 10 μ L); $\leq \pm 3.5\%$ (≤ 11 μ L~50 μ L)
Weight	75 (± 2) Kg	Dimensions	662 mm $\times$ 667 mm $\times$ 519 mm
Voltage	AC220V	Frequency	50HZ
Power	1200VA		

Working Process



CapitalBiotech

Add: Building C, Yizhuang Biomedical Park, No. 88, Kechuang Sixth Street, Beijing Economic-Technological Development Area, Beijing 101111, China
 Website: www.capitalbiotechnology.com Tel: +86-10-69002900 E-Mail: globalsales@capitalbiotech.com