

# nT01-X4 Fully Automatic Nucleic Acid Detection System

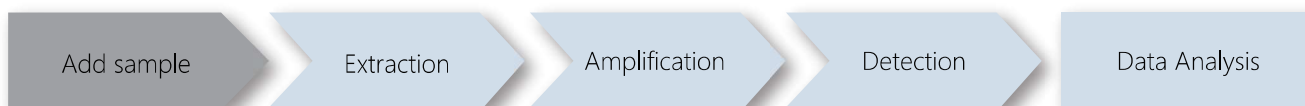
## Product Description

nT01-X4 is fully automated nucleic acid detection equipment that integrates nucleic acid extraction, amplification and fluorescence detection all in the system. It performs nucleic acid extraction and amplification in a closed environment to avoid contamination. Easy to operate system supports the detection of up to 16 targets gene in one sample.

The nucleic acid extraction and purification adopts the magnetic bead method, which is compatible with open extraction reagent systems. It is suitable for a wide range of application scenarios, and multiple devices can be used in parallel when multi-sample detection is required, which is flexible and convenient to use.



Sample-in and Result-out , point-of -care system that enables simple, fast and accurate detection of DNA and RNA.



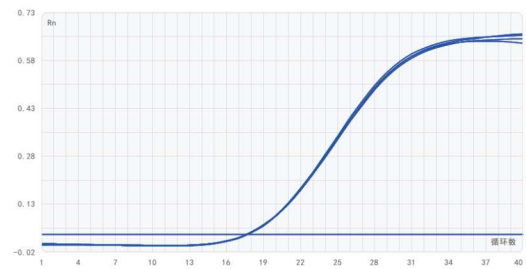
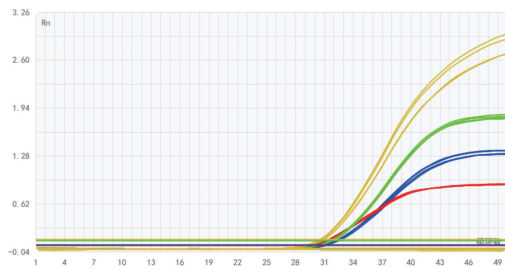
## Product Features



- POCT** Nucleic acid extraction, amplification, and detection all in one system, ideal for point-of-care and on-site testing
- Rapid Detection** The detection speed is fast and the waiting time is shortened.
- Flexible** Small footprint, the unit can be placed in the bio-safety cabinet for routine PCR tests.
- Unique Design** Patented cartridge design for extraction and PCR reaction which significantly reduces the consumable cost and avoids aerosol spreading.
- Open System** The platform adapts to a wide range and different formats of reagents. Lyophilized format PCR reagents can be used to facilitate transportation.
- Strong Scalability** It is convenient for multiple units integration, and the throughput can be increased according to different application scenarios.
- Pollution Control** Built-in HEPA filter and UV lamp for disinfection inside the instrument.
- Multi-target Detection** Equipped with 4 fluorescence channel, and a single sample can support up to 16 targets.
- Stand-alone** The instrument comes with a display screen, which can be operated independently.

Multiple targets detection

Excellent repeatability



## Specification

Specification	Parameter
Throughput	1
Multi-targets Detection	Up to 16targets
Extraction Principle	Magneticbeads
Sample Volume	< 500uL
Temperature Control Accuracy	±0.2°C
PCR Max Heating/Cooling Rate	5°C/s
Fluorescence Channels	4
Supported Dyes	FAM/SYBR Green,VIC/JOE/HEX/TET,ROX/Texas Red,Cy5/LIZ,
Detector	SiPMT
Excitation Wavelength	455-650nm
Emission Wavelength	500-720nm
Pollution Control	Built-in HEPA filter and UV lamp
Data Export	WIFI, Bluetooth
Other Functions	Bar-code Scanner, Printer( optional)
Dimension	155*353*330mm, 6Kg
Power	AC110-220V, 50/60Hz, 100W

## Order Information

Cat No	Description	Image
1007000	nT01-X4	
910006	Nucleic acid extraction cartridge	
910007	200ul clear PCR tube	