

Bring Technology to Life



Npex 192

Automatic Nucleic Acid Extractor

Ultra-high throughput, optimizing your extraction efficiency with confidence



Tianlong Nucleic Acid Extractor Npex 192 utilizes the proven magnetic bead method to extract highly purified nucleic acid from various samples. With ultra-high throughput and high efficiency, Npex 192 can complete nucleic acid extraction of 192 samples in 12 min. The combination of easy-to-use instruments with pre-loaded protocols selection, and magnetic bead-based sample preparation kits filled with unique reagents ensure rapid nucleic acid extraction and highly purified products.

FEATURES



Ultra-high throughput and rapid extraction

Npex 192 can complete nucleic acid extraction of 192 samples in 12 min. Realizing high-throughput processing of parallel samples and providing high-quality nucleic acids for your downstream applications.



Compact in design and space-saving

With 8-unit deep-well plate layout and Z-axis mechanical motion, Npex 192 can realize rapid extraction with the shortest movement. It can meet your high-throughput needs but also save your lab space.



Easy to operate and visual monitoring

Built-in 7-inch full-color LCD screen, easy to operate the experiment; Built-in scanner can automatically scan and identify the extraction program and start running; Visual monitoring of nucleic acid extraction progress.



Efficient temperature control

Separate temperature control for both lysis and elution. Precise temperature control ranges from room temperature to 120°C, supporting a wide range of reagent programs.



Efficient contamination control measures

- 1) Negative-pressure HEPA filtration;
- 2) UV disinfection ;
- 3) Anti-dripping design.

SPECIFICATION

Model	Npex 192
Throughput	1 ~ 192
Processing Volume	30 ~ 1000μL
Compatible Consumables	 96 deep-well-plate (1 ml reaction volume)  Vertical mixing sleeve
Magnetic Bead Residue	≤ 1%
Temperature Control Range	Temperature control separately for lysis and elution. Temperature range from 30°C to 120°C.
Vertical Mixing	Adjustable from 1-8Hz
Operating Language	Built-in bilingual (Chinese and English) operating languages.
Operation Mode	7-inch color LCD touch screen operation
Protocol Management	Flexible to create, edit and delete protocols
QR Code Scanning	With built-in barcode scanner, automatic scanning, identification and running protocols
Operation Monitoring	Visual monitoring of nucleic acid extraction progress
Program Storage	> 1000 experiment programs can be stored
Contamination Control	1) Negative-pressure HEPA filtration; 2) UV disinfection ; 3) Anti-dripping design
Auto Power-off	Auto power-off after UV disinfection
Power failure protection	Choose freely whether or not to continue the experiment when the power is on again after cutting off
Connection Port Type	USB port
Network Connection	Ethernet connection
Dimensions	710 mm×535 mm×515 mm (L×W×H)
Weight	55 kg
Power Supply	AC 100-240V, 50/60Hz

EXTRACTION MENU

Application	Product Name	Sample Type	Ordering Code
Human	Viral DNA and RNA Extraction Kit	Swab media samples	T518H
Animal	Animal Virus DNA and RNA Extraction Kit	Nasopharyngeal swab, environmental samples, serum samples, blood swab and tissue sample	T859H/T860H/T861H/T809H
Plant	Nucleic Acid Extraction Kit (For Plant Tissues Genomic DNA Extraction)	Plant tissue samples	T821H

*More extraction reagents can be customized for your applications.

APPLICATION AREA



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