

UltraDx Ex-96

Automatic DNA/RNA Extraction System



● High Efficiency

Newly-designed holomagnetized rods and dynamically adjustable amplitude technology ensures no magnetic beads residual or detaining on the tube sides, suitable for all kinds of micro-sized magnetic beads.

● High Temperature Accuracy

Enhanced encapsulated deep-well heating block significantly increases temperature control accuracy, improves efficiency of lysis and elution.

● High Safety

Disposable 24/46/96-strip plastic sleeves and UV light prevent aerosol cross contamination between different batches of reagents and ensure safety of experiments.

● Flexible Processing Capacities

24 module, 48 module, 96 module and 192 module are exchangeable to meet different demands by experiments, Max processing volume up to 6000uL.

● Multi-mix Model

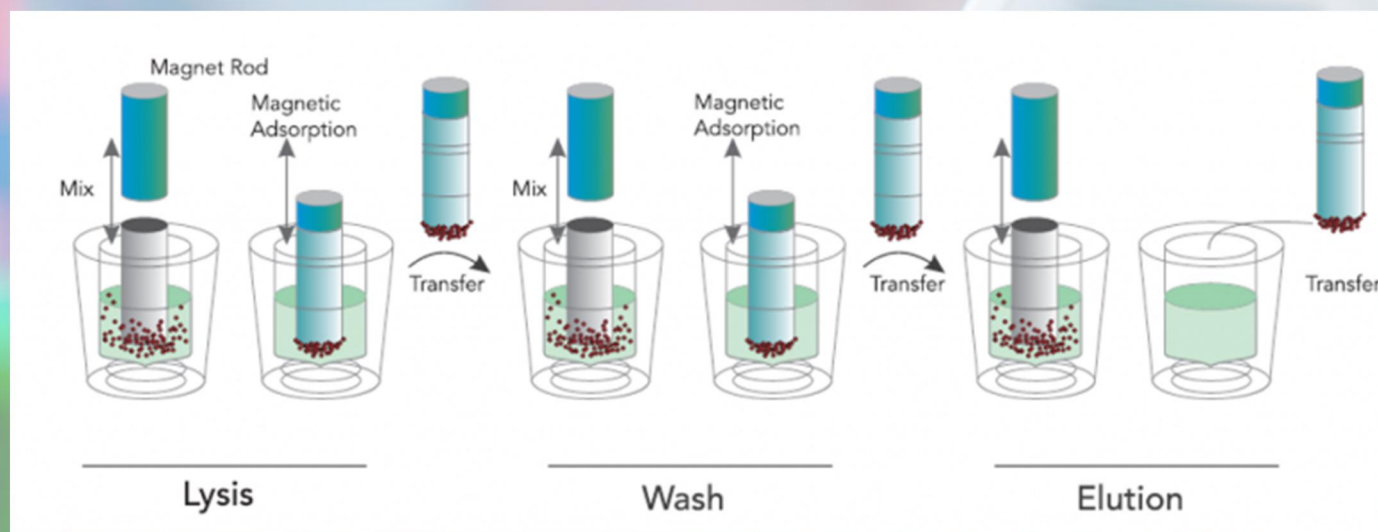
3 kinds of amplitude, 6 levels of frequency adjustable, adjustable according to different samples and extraction kit to improve extraction efficiency.

● Standardization

Mltiple programs can be edited with massive on board storage to ensure experiment conditions with excellent uniformity and reproducibility.

Working Principle

The built-in heating function of UltraDx Ex-96 System is proved to be able to accelerate the lysis of samples and ensures higher release of nucleic acid. It also helps to increase the yield ratio of nucleic acid and improves overall extraction efficiency.



Recommended Reagents

Description	Specification	REF No.	Description	Specification	REF No.
UltraPx Viral DNA/RNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00164H	UltraPx Whole Blood Genomic DNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00564H
UltraPx General Genomic DNA/RNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00264H	UltraPx Oral Swab DNA/RNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00664H
UltraPx Bacterial DNA/RNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00364H	UltraPx FFPE Tissue Genomic DNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00764H
UltraPx Fungal DNA/RNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00464H	UltraPx Total RNA Kit (MagBeads)	24T, 50T, 96T/Kit	UBE-M00864H

Technical Specification

Product Name	UltraDx Ex-96 Automatic DNA/RNA Extraction System
Model	UltraDx Ex-96
Sample Capacity	24/48/96/192
Sample Processing Capacity	24&48 (50-6000 μ L) / 96&19220-1000 μ L
Consumables	24/96-well deep plate + 24/96 strip seeleve
Collection Efficiency	$\geq 99\%$
CV	$\leq 5\%$
Heating	Lysis and elution (room temperature to 125°C)
Mixing Model	Slow, medium, fast, 1-6 gears programmable
Extraction Time	5-45 minutes (depends on the project)
Display	10" color graphic display with touch screen
Proctols	Programmable and storable, quantity up to millions
Communication Interface	4 USB, ethernet, mouse, keyboard and barcode scanners supported
Disinfection	UV lamp
Data Storage	Built-in SSD
Working Noise	51dBA
Working Temp./Humidity	10-40°C / 10-90%
Powder	100-240Vac, 45-65Hz
Exterior Dimension	D 350 \times W 345 \times H 400mm
Weight	17Kg