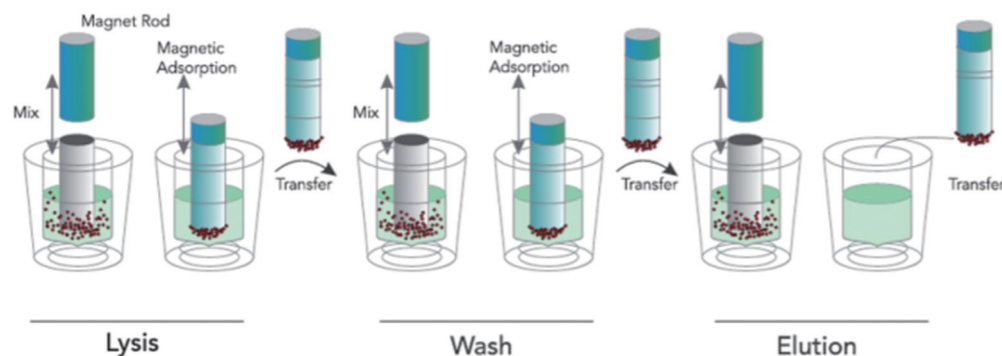


Working Principle

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 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
Sample Capacity	24/48/96/192 samples
Sample Processing Capacity	24&48 (50~6000µL) / 96&192 (20~1000µL)
Consumables	24/96-wells deep plate + 24/96 strip seeleves
Collection Efficiency	≥ 99%
CV	≤ 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
Protocols	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	53dBA
Working Temp./Humidity	10~40°C/10~90%RH
Power Supply	100~240Vac, 45~65Hz
Dimension/Weight	466x566x700mm / 36kg

*Ultrassay BioTech Co., Ltd. reserves the right of final interpretation of different specifications.

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UltraDx® Ex-96

Automatic DNA/RNA Extraction System



- High Efficiency**
 New-designed holomagnetized rods and dynamical 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 the safety during experiments.
- Flexible Processing Capacities**
 24/48/96/192-wells modules 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, which are according to different samples and extraction kits to improve extraction efficiency.
- Standardization**
 Multiple programs can be edited and preset experiment templates to ensure experiment conditions with excellent uniformity and reproducibility.