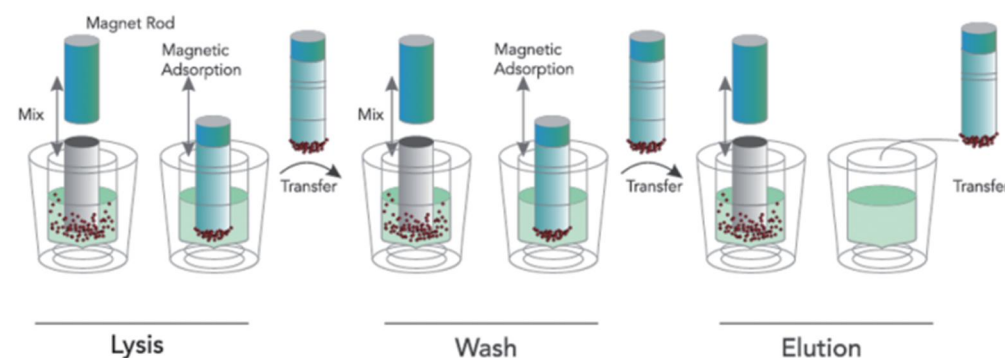


Working Principle

The built-in heating function of UltraDx® EX series automatic DNA/RNA extraction systems are 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)	64T/kit	UBE-M00164H	UltraPx Whole Blood Genomic DNA Kit (Magbeads)	64T/kit	UBE-M00564H
UltraPx General Genomic DNA Kit (Magbeads)	64T/kit	UBE-M00264H	UltraPx Oral Swab DNA/RNA Kit (Magbeads)	64T/kit	UBE-M00664H
UltraPx Bacterial DNA/RNA Kit (Magbeads)	64T/kit	UBE-M00364H	UltraPx FFPE Tissue Genomic DNA Kit (Magbeads)	64T/kit	UBE-M00764H
UltraPx Fungal DNA/RNA Kit (Magbeads)	64T/kit	UBE-M00464H	UltraPx Total RNA Kit (Magbeads)	64T/kit	UBE-M00864H

Technical Specification

Model	EX-04	EX-08	EX-16	EX-32
Principle	Magnetic beads method			
Throughput	1~4	1~8	1~16	1~32
Processing Capacity	20~2000μL			
Plate Type	Single	96-wells deep well plate		
Comb Tips	Single tip	8-strip	8-strip	8-strip
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	51dBA			
Working Temp./Humidity	10~40°C/10~90%RH			
Power Supply	100~240Vac, 45~65Hz			
Dimension/Weight	L350 × W345 × H400mm / 17kg			

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

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UltraDx® EX series

Automatic DNA/RNA Extraction System



High Efficiency

New-designed holomagnetized rods and dynamical adjustable amplitude technology ensures no magnetic beads residual ordetaining 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 8-strip plastic sleeves and UV lamp prevent aerosol cross contamination between different batches of reagents and ensure the safety during experiments.

Independent Heating Block

8 independent deep-well heating blocks that can reduce mutual interference between reactions.

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.