

# UltraDx Ex-32

## 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 8-strip plastic sleeves and UV light prevent aerosol cross contamination between different batches of reagents and ensure safety of experiments.

### ● Independent Heating Block

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

### ● Multi-mix Model

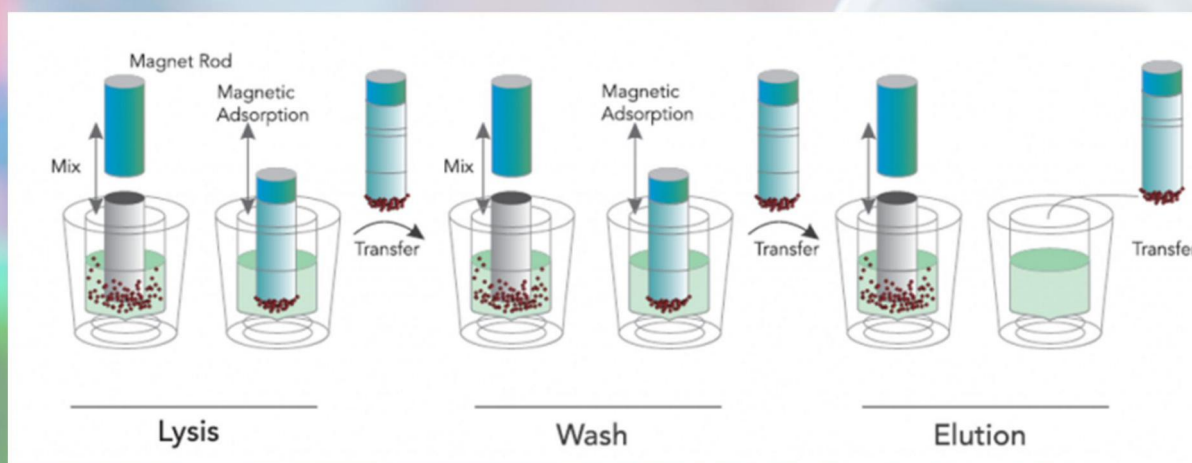
3 kinds of amplitude, 6 levels of frequency adjustable, adjustable according to different samples and extraction kit to improve extraction efficiency.

### ● Standardization

Multiple 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-32 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)           | 64T/Kit       | UBE-M00164H | UltraPx Whole Blood Genomic DNA Kit (MagBeads) | 64T/Kit       | UBE-M00564H |
| UltraPx General Genomic DNA/RNA 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

| Product Name               | UltraDx Ex-32 Automatic DNA/RNA Extraction System               |
|----------------------------|---|
| Model                      | UltraDx Ex-32   |
| Sample Capacity            | 32  |
| Sample Processing Capacity | 20-1000 $\mu$ L   |
| Consumables                | 96-well deep plate + 8 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  |



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