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3H-480EX Automatic Nucleic Acid Extractor

- ✓ Automatic nucleic acid extraction
- ✓ UV disinfection
- ✓ Safe and efficient

3H



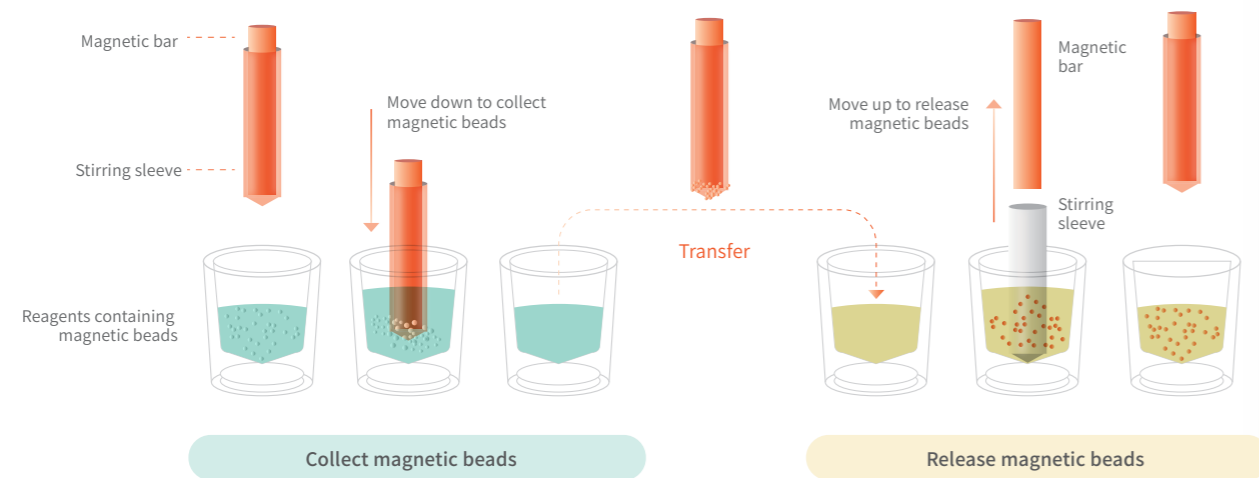
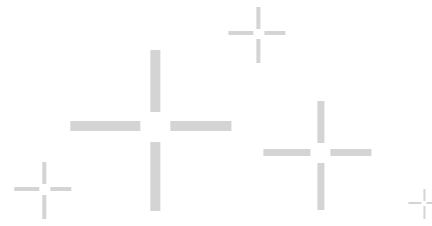
3H-480EX Automatic Nucleic Acid Extractor

Technical principle of magnetic bead method

The 3H-480EX nucleic acid extractor is based on the principle of magnetic bead extraction. The surface of the magnetic bead is modified with active functional groups that have a specific adsorption effect on nucleic acid. Different lysis buffers, binding buffers and wash buffers react specifically with the target substance under specific conditions, and at the same time the magnetic properties of the magnetic beads are used to achieve directional movement and enrichment under the action of an external magnetic field, so as to achieve the purpose of separating nucleic acids and impurities, and then achieve the separation and purification of the target substance to obtain high-purity nucleic acids.

Nucleic acid extraction and purification

- ① High degree of automation
- ② Fast extraction speed and stable results
- ③ Precise design and simple operation



Technical advantages

- High product purity
- Large memory capacity, 204 groups of programs can be stored
- With temperature control function to ensure the best reaction temperature in the extraction process
- Compact appearance, can be placed in biological safety cabinets to reduce the risk of biological safety

Features

<p>1</p> <p>User-friendly operation movable control panel, intelligent interface, easy to operate.</p>	<p>2</p> <p>Modular design modular structure, core components upgrading, with higher precision and lower failure rate</p>	<p>3</p> <p>Easy to operate supporting the modular nucleic acid extraction reagent, sample to be tested is added only to simplify the complicated extraction procedure</p>	<p>4</p> <p>Timed disinfection UV disinfection function with time switch to reduce the probability of experimental pollution</p>
<p>5</p> <p>Free editing powerful program editing function, The extraction procedure can be set by yourself</p>	<p>6</p> <p>Stable results to avoid differences caused by manual operation, high sensitivity and good repeatability</p>	<p>7</p> <p>Safe and reliable fully automatic operation with disposable consumables to reduce personnel operation risks</p>	<p>8</p> <p>High efficiency in a single operation, up to 48 samples can be extracted within 30-40 minutes. After optimization, the product can complete sample extraction within 18 minutes</p>

Product information

Sample throughput	1-48
Magnetic head	48
Plate Type	96 well plate (50-1000μL)
Processing volume	20-1000μL
Heating	Room temperature to 80°C (lysis and elution position)
Shaking and mixing	Multi-speed and multi-mode (high, medium and low speed modes)
Operation interface	Graphical user interface, Chinese and English, touch screen
Reagent type	Open platform (magnetic bead method)
Program management	Users can set the program freely, 204 applications can be stored
Disinfection method	UV disinfection
Heating rate	20 °C to 80 °C, heating time ≤ 2 minutes
Temperature fluctuation	≤ ±1°C
Temperature uniformity	≤ ±1°C
Temperature accuracy	The relative deviation does not exceed ± 10%
Dimensions	560mm*415mm*400mm (L*W*H)
Weight	≤30KG