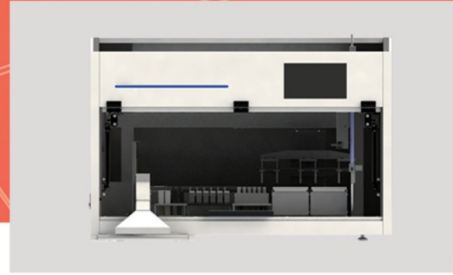


AH48 Fully Automated Nucleic Acid Work Station



AH48 Automatic nucleic acid extraction workstation

based on the principle of magnetic bead extraction and purification of nucleic acid, integrates the combination of oscillating nucleic acid extraction and purification and pipetting arm to realize the rapid and efficient preparation and purification of a large number of sample nucleic acids. The workstation integrates many functions such as automatic loading of reagent samples, nucleic acid extraction, and PCR system construction, realizing the automatic operation of the whole process. No manual intervention is required during the whole work process. With corresponding nucleic acid extraction reagents, it can process serum, plasma, whole blood, swabs, amniotic fluid, feces, tissue lavage, tissue, paraffin sections, bacteria, fungi and other sample types. It is widely used in inspection, disease prevention and control, Animal quarantine, entry-exit inspection and quarantine, food safety, forensic trace inspection, science, teaching and research, etc.

Specification

Samples per Batch	1-48 samples
Mechanical Arms	One Transfer and one Extraction arm
Position precision	positioning accuracy of the pipette manipulator arm X-Y-Z 0.1mm Positioning accuracy of the extraction arm X-Z-M 0.1mm
Suction heads sizes	200 μ L, 1000 μ L
Pipetting Accuracy	200 μ L suction head liquid displacement: 200 μ L CV: 2% 1000 μ L suction head liquid displacement: 1000 μ L CV: 1%
Microtiter plate	96 wells (20-1000 μ L)
Heating Temperature	Room Temperature to 80°C (Cell Lysis & nucleic acid Elution)
Processing mode	Multispeed Available
Operating Interface	English-Chinese graphical interface, 10-inch touch screen
Reagents	Reagents suitable for magnetic particle method
Protocol management	Free setup, can store up to 200 users' setups
Sterilization method	UV sterilization (Programmable)
Dimension L*W*H	1100mm*700mm*730mm