

Performance Parameter

| | |
|---|---|
| Technical Parameter | 7-inch Android touch screen, easy to use, fast response |
| Multi-mode Operation | List mode, shortcut, view mode |
| Processing Volume | 20μL-1000μL |
| Sample Throughput | 1-32 |
| Magnetic Bead Recovery | >98% |
| Extracting The Difference Between Holes | CV≤3% |
| Heating Temperature | 8 independent heating modules, customize lysis and elution temperature (temperature range)according to your needs |
| Oscillating Mixing | Low, medium and high third gears are adjustable, and the fluctuaton rang can be adjusted with the reagent volume |
| Reagent Type | Magnetic bead open platform |
| Extraction Time | 15-60 min/round (depending on the reagent used) |
| Intemal Program | Be able to store >500 groups of programs |
| Program Management | Powerful program editing capabilities to meet different reagent needs. U disk program import and export can be achieved |
| Safety Door Design | After the safety door is opened, the program operation will be automaticall suspended and the program can continue to run after the safety door is closed |
| Built-in Air Duct | Built-in air duct to avoid cross infection |
| Safety Protection | Support power-off protection and continuous operation after power is restored |
| Flashlight | have |
| Ultraviolet Irradiation | have |
| Dimensions | 400mmx400mmx450mm |
| Weight | 35kg |
| Qualification | Passed China SFDA certification |

Heal Force Leads You to Healthier Life



HERO 32
Nucleic Acid Extraction System



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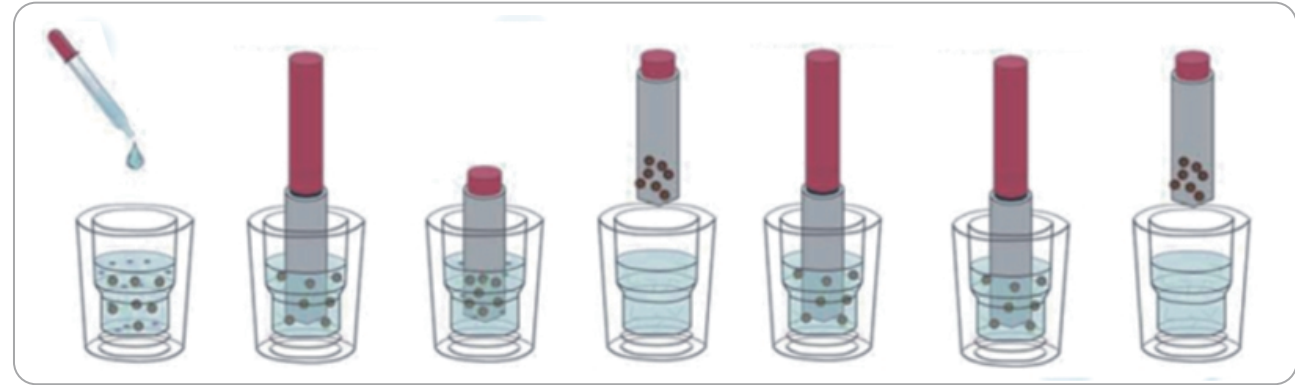
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The special color page for bidding is only for bidding

Introduce

HERO32 is widely used in routine scientific research, genomics, food safety, disease diagnosis, forensic identification and other fields.Using this instrument, you only need to add samples and magnetic bead method automatic nucleic acid extraction reagents to 96-well plates, select or edit the appropriate program and execute it. With different types of magnetic bead method nucleic acid extraction reagents, you can quickly extract animal and plant tissues, DNA and RNA in samples such as blood, body fluids, and criminal materials



Product features

Precision

The instrument has precise temperature control and rapid temperature rise. Adopt single-row temperature raising mode to reduce liquid evaporation and strictly control the reaction system

Efficient

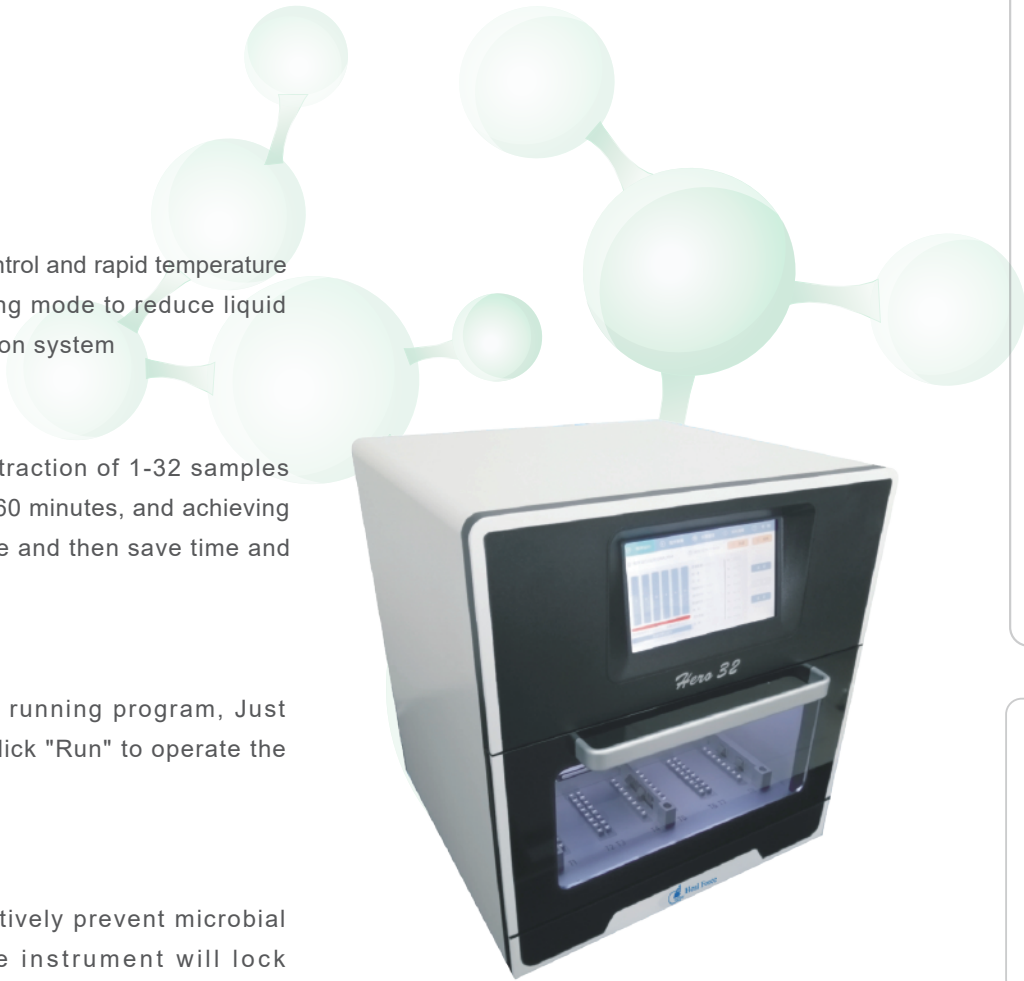
Due to the short extraction time, the extraction of 1-32 samples can be completed at the same time in 15-60 minutes, and achieving high-throughput processing of the sample and then save time and effort

Convenient

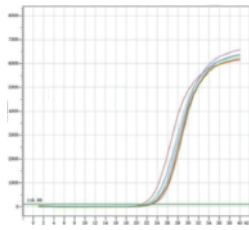
The instrument comes with the edited running program, Just select the corresponding program and click "Run" to operate the instrument easily

Safety

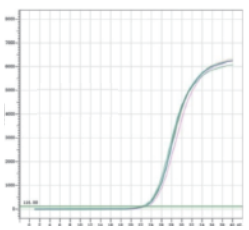
It has UV disinfection function to effectively prevent microbial contamination. If open the door the instrument will lock automatically to protect the operators safety



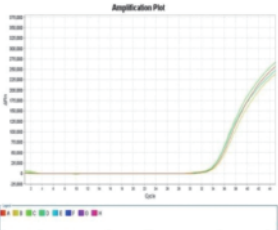
Data analysis



NDV Allantoic fluid

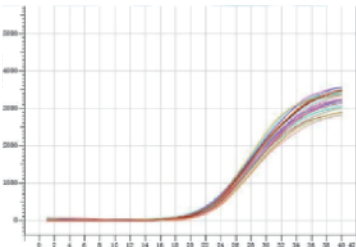


NDV Vaccine



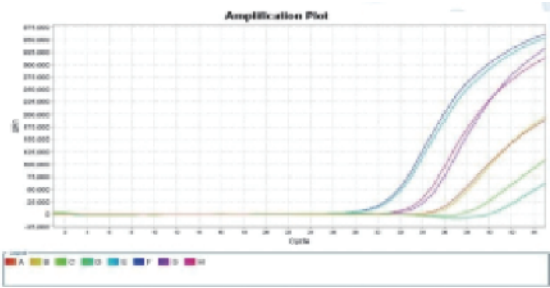
HCV Serum

1.Detection ability of Multiple sample extraction



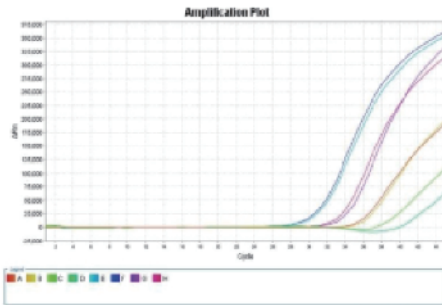
2.Detected stability of The same sample extraction

3.Linear detection(10x dilution)



| Dilution multiple | CT | Detection Concentration |
|-------------------|-------|-------------------------|
| 10× | 27.74 | 7.82E+05 |
| | 27.52 | 9.17E+05 |
| 100× | 31.76 | 4.27E+04 |
| | 31.33 | 5.83E+04 |
| 1000× | 34.54 | 5.70E+03 |
| | 35.04 | 3.99E+03 |
| 10000× | 37.87 | 5.15E+02 |
| | 40.31 | 8.86E+01 |

4.Low concentration sample detection (10x dilution of HCV Serum)



| Sample concentration | CT | Detection concentration |
|----------------------|-------|-------------------------|
| E6 | 20.82 | 1.51E+06 |
| E5 | 23.83 | 2.21E+05 |
| E4 | 27.07 | 2.80E+04 |
| E3 | 29.96 | 4.41E+03 |
| E2 | 32.5 | 8.73E+02 |
| E1 | 34.42 | 2.56E+02 |

5.Strong positive pollution detection experiment

| Negative group | No signal | No signal | No signal | No signal | No signal | No signal | No signal |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Positive group | 23.38 | 23.59 | 24.01 | 23.55 | 23.78 | 23.89 | 23.54 |

Cross arrangement of negative samples