

Order Information

Equipment

Model No.	Product Name	Certificates
DA8044	Automatic Nucleic Acid Extraction Instrument (Model: Stream SP96)	CE, NMPA, FSC

Compatible Reagents

Cat. No.	Product Name	Specification	Certificates	Features
DA0602	Nucleic Acid Extraction Kit	Pre-packaged, 32 tests/kit	NMPA CE-IVDR	For swab sample in 18 min
DA1002	Nucleic Acid Extraction Kit			For swab sample in 24 min
DA0623	Nucleic Acid Isolation or Purification Reagent			Standard version: 48 min
DA0633	RNA/DNA Purification Kit			Standard version: 38 min
DA0873	Nucleic Acid Isolation or Purification Kit			For lower respiratory tract sample
DA1273	RNA/DNA Extraction or Purification Kit			Proteinase K-free

Consumables

Description	Specification
8-strip sleeve for magnetic rod	24 pcs/pack, 12 packs/ctn(288 pcs/ctn)
96x2.2mL extraction plate	12 pcs/pack, 6 packs/ctn(72 pcs/ctn)
AutoDA with filter tips(1000µL)	96 pcs/box, 24 boxes/ctn(2304 pcs/ctn)
AutoDA with filter tips(200µL)	96 pcs/box, 24 boxes/ctn(2304 pcs/ctn)
Reagent tank	3 pcs/bag, 36 bags/ctn(108 pcs/ctn)
Antifouling sleeve	24 pcs/bags, 2 bag/ctn(48 pcs/ctn)
96-well reaction plate	20 plates/box
8 strips tubes	125 rows/box
5mL sterilized transport tube	Axygen_SCT-5ml-S, 25 tubes/bag
2.0mL centrifuge tube	500 pcs/pack

Parameters

Throughput	1-96 samples		
Single pipetting volume	1-1000 µL		
Operating mode	Automatic sample loading, nucleic acid extraction, PCR reagent loading		
Extraction mode	Batch sample mode, single sample mode		
Extraction temperature control range	Room temperature to 99°C		
Operating environment	Temperature: 10°C~30°C, Humidity: ≤70%		
Pipetting performance	20-100 µL	Accuracy(CV%): ±1%	Repeatability(CV%): ≤0.6%
	100-1000 µL	Accuracy(CV%): ±0.8%	Repeatability(CV%): ≤0.5%
Anti-contamination design	HEPA filtration, external exhaust system, UV sterilization		
Dimension(L×W×H)	1300×745×1707 mm		
Net weight	250 kg		



Stream SP96

Automatic Nucleic Acid Extraction Instrument (Model: DA8044)

CE NMPA

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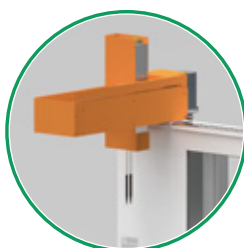
Stream SP96

Introduction

Stream SP96 automatic nucleic acid extraction instrument is a fully automatic high-throughput equipment. With magnetic bead extraction reagents, it can proceed nucleic acid extraction automatically from 1 to 96 samples. It can handle sample loading and reagent placing accurately with precise liquid handling technology, anti-contamination design and superb magnetic extraction function. The automatic operating system reduces manual operation and improves working efficiency greatly.

UV Lamps

- Integrated UV lamps to ensure all spaces of the instrument receives same level UV exposure.



HEPA system

- 100% exhaust airflow circulation.



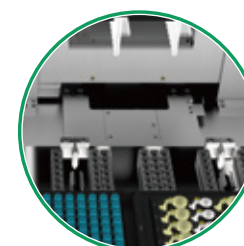
Pipetting Module

- 2 Independent Air Displacement Pipetting Channels.
- Liquid Level Detection
- Pressure Level Detection
- Clot Detection



Extraction module

- 2 Independent extraction modules, throughput 48 samples each module.



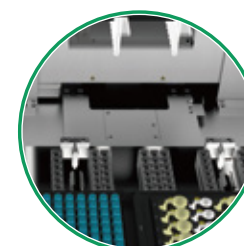
Sample rack and Scan Module

- Can operate 96 samples at one time.
- Identify each bar code while adding samples.



Temperature control module

- Room temperature to 99°C.
- Optional reagent refrigeration, temperature 2°C~ 8°C.



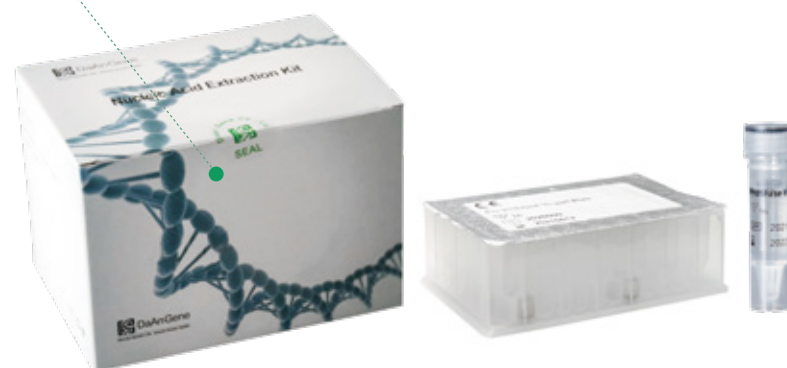
Integrated cabinet

- Integrated cabinet with wheels, easy to move and save place.
- Separated waste area to prevent cross contamination.



Compatible Nucleic Acid Extraction Kit (Magnetic Beads)

- High sensitivity, wide linear range
- High magnetic beads acquisition rate
- Good repeatability
- Wide range of application



Features



Rapid

96 samples can be extracted in 18 min.



Flexible

9 kinds of PCR reactions can be set up.



Smart

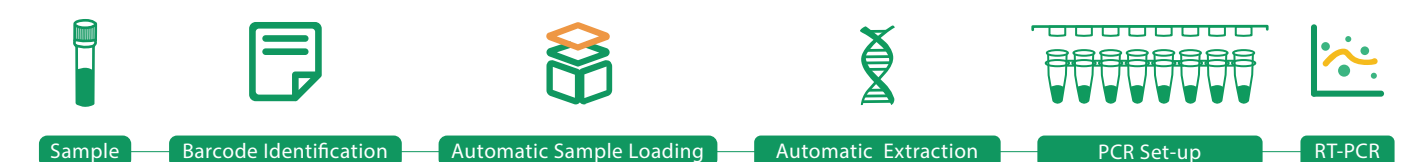
Two extraction modules runs 2 different programs for different sample type.



Anti-contamination

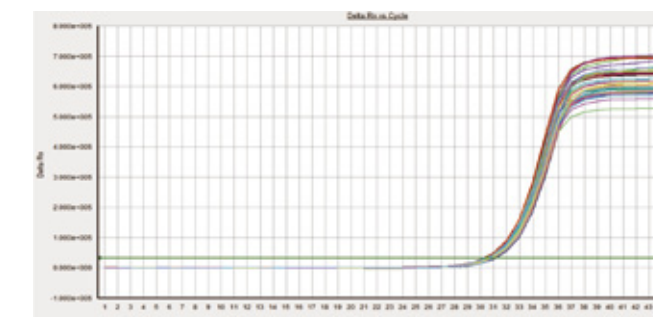
HEPA filter system, 100% exhaust airflow circulation, UV disinfection.

One-stop Solution



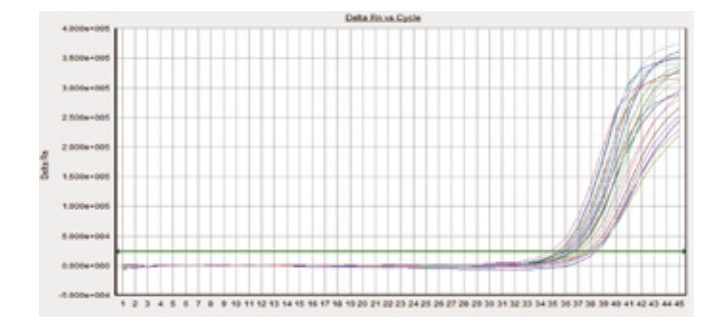
Performance

Precision



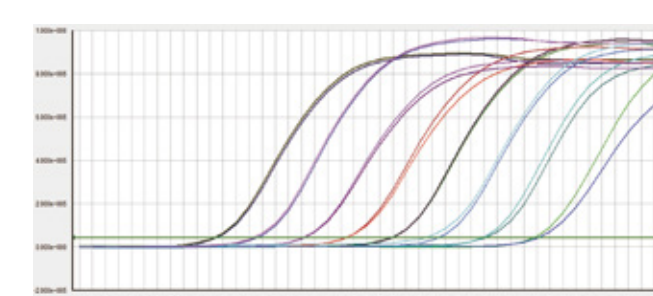
More than 48 HBV samples with concentration 10^7 IU/mL, analyzed by qPCR, CV <1%.

Sensitivity



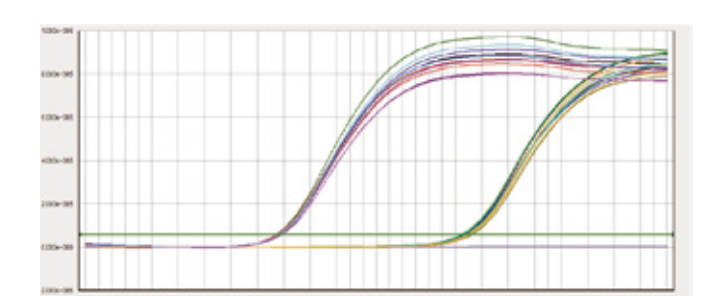
Diluted HBV reference samples with concentration 10IU/mL, 20 samples extracted repeatedly, analyzed by qPCR, detectable rate is 20/20.

Linear



Dilute HBV reference with concentration from 10^{10} IU/mL- 10^6 IU/mL, extracted by SP96, $R^2 > 0.98$.

Anti-cross contamination



HBV strong positive (10^7 IU/mL), weak positive (10 IU/mL) and negative reference with cross-placement, extracted by Sp96, no cross contamination.