Order Information

Equipment

Model. No.	Product Name	Certificates
Stream SP96	Automated Nucleic Acid Extraction System	CE, NMPA, FSC

Compatible Reagents

Cat. No.	Product Name	Specification (Test/kit)	Certificates	Features
DA0633	RNA/DNA Purification kit (Magnetic Bead)	Pre-package, 32	CE, NMPA, FSC	35 min, Standard version
DA0623	RNA/DNA Purification kit (Magnetic Bead, Alcohol)	Pre-package, 32	CE, NMPA, FSC	55 min, Standard version
DA0602	RNA/DNA Purification kit (Magnetic Bead, Alcohol, Fast)	Pre-package, 32	CE, NMPA, FSC	18 min, Rapid version

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℃		
Operating environment	Temperature: 10℃~30℃, Humidity: ⩽70%		
Pipetting performance	20-100 μL	Accuracy: ±1%	Repeatability: ⩽0.6%
	100-1000 μL	Accuracy: ±0.8%	Repeatability: ⩽0.5%
Anti-pollution design	HEPA filtration, external exhaust system, UV sterilization		
Dimension(L×W×H)	1300×745×1707 mm		
Net weight	250 kg		

DaAnGene

https://en.daangene.com/

CHINA (Headquarters)
Daan Gene Co., Ltd.
Address: No.19, Xiangshan Road, Science Park, High & New Technology Development District, Guangzhou, Guangdong, P.R. China
Tel.: +86-20-32068126
Fax: +86-20-32068352
Email: marketing@daangene.com

CANADA office
Add.: #413-4538 Kingsway, Burnaby, BC V5H 4T9, Canada
Tel.: +1604 4517588
Fax: +604451.7587
Email: gbai@daangene.net

DaAnGene



Stream SP96

Automated Nucleic Acid Extraction System

CE NMPA FSC

Stream SP96

Introduction

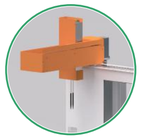
Stream SP96 automatic nucleic acid extraction instrument is a fully automatic high-throughput equipment. With magnetic bead extraction reagents, it can proceed nucleic acid extraction automatically from 1 to 96 samples. It can handle sample loading and reagent placing accurately with precise liquid handing 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.

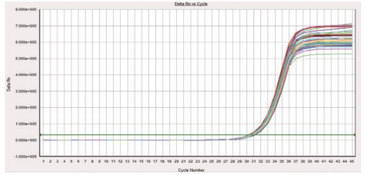
Anti-contamination
HEPA filter system, 100% exhaust airflow circulation, UV disinfection.

One-stop Solution

Sample — Barcode Identification — Automatic Sample Loading — Automatic Extraction — PCR Set-up — RT-PCR

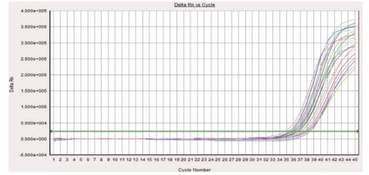
Performance

Pression



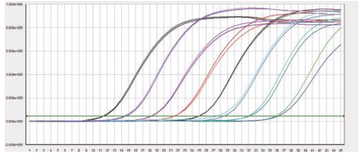
More than 48 HBV samples with concentration 10^3IU/mL, analyzed by qPCR, CV <1%.

Sensitivity



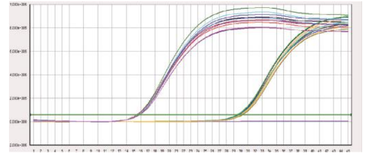
Diluted HBV reference samples with concentration 10IU/mL, 20 samples extracted repeatedly, analyzed by qPCR, detectable rate is 20/20.

Linear



Dilute HBV reference with concentration from 10IU- 10^8 IU/mL, extracted by SP96, $R^2 > 0.98$.

Anti-cross contamination



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