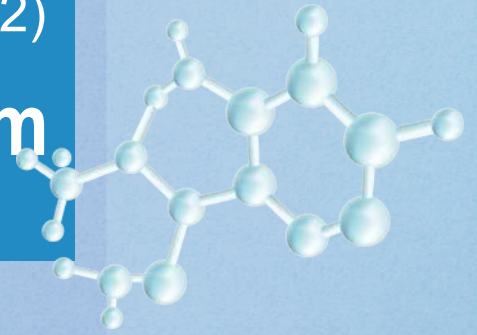


Nucleic Acid (Throughput-12) Automatic Extraction System



Economical
and flexible
Compact size

Strong
magnetic force
Avoid cross
contamination

Auxiliary drying
Open system

Multiple modes
Precise temperature
control

Easy operation
Short operation
time



Nucleic Acid Automatic Extraction System (Throughput-12)



Product introduction:With the latest isolation method of nucleic acid transferred by magnetic rods and preloaded magnetic beads-based extraction reagent, The YC701 Nucleic Acid Automatic Extraction System can process 1-12 samples and automatically isolate nucleic acids from various samples such as blood, cells, viruses, etc. The magnetic beads are adsorbed, transferred and released by the special magnetic rod, so as to realize the fully automated purification of nucleic acid.

[Product Features]



Economical and flexible:

The design of single reagent strip allows free control of throughput and avoids reagent waste.



Compact size:

It can be easily placed in a biosafety cabinet to process biologically hazardous samples. 350*250*380mm (L×W×H)



Strong magnetic force:

High-performance magnetic rod ensure magnetic bead s recovery rate ≥98%.



Avoid cross contamination:

UV sterilization module effectively reduce the cross contamination between wells.



Auxiliary drying:

Separate drying well can be heated to shorten waiting time and reduce the probability of cross contamination.



Open system:

Applicable to various magnetic beads-based extraction reagents.



Multiple modes:

Pre-programmed multiple protocols for different samples.



Precise temperature control:

Automatic heating for lysis and elution, with fast heating speed and precise temperature control.



Easy operation:

7-inch touchable color screen to meet the needs of intelligent and convenient operation.



Short processing time:

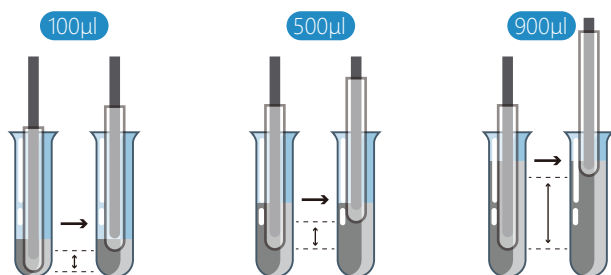
Up to 12 samples can be processed in 25-35min.

Nucleic Acid Automatic Extraction System (Throughput-12)



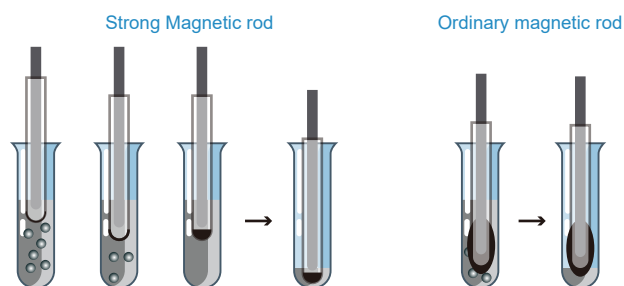
[Unique Magnetic Rod Movement]

The driving device is equipped with a high-performance stepping motor, with large magnetic rod vibration amplitude. The vibration amplitude can be set according to the volume of the solution to ensure good and even blending effect. The actuator is made of ball screw to ensure smoothly running, high precision and longer service life of the rod. Each moving component is protected by the limit position protection mechanism to avoid instrument failure.

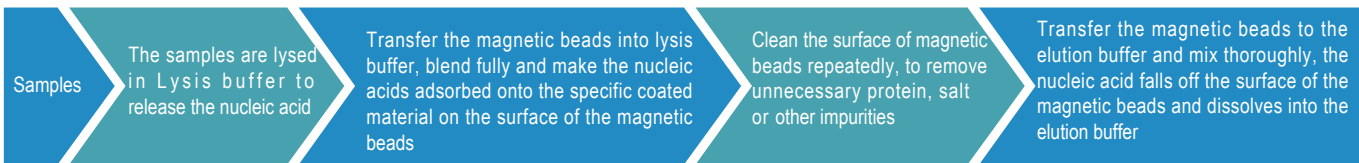
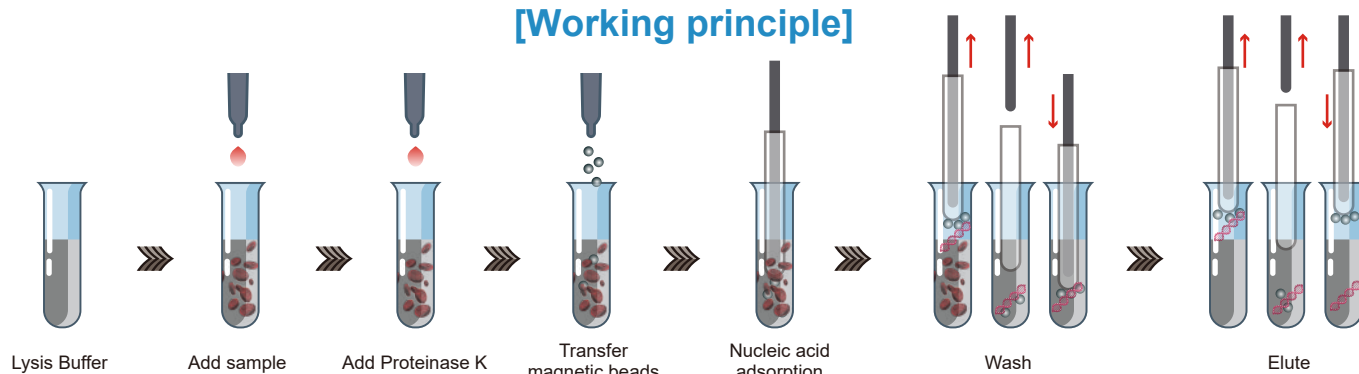


[New Strong Magnetic rod]

With the newly designed strong magnetic rod, the magnetic beads are absorbed on the head of the magnetic rod, so as to ensure that the elution buffer can still cover all the magnetic beads even with a small elution volume. The high recovery of magnetic beads ensures high yield of nucleic acid.



[Working principle]



[Instrument parameters]

Product name	Nucleic Acid Automatic Extraction System	Nucleic acid extraction purity	1.8≤OD260/OD280≤2.0
Model	YC701	Inter-well purification variation	CV<3%
Certification	CE/RoHS	Magnetic beads recovery	≥98%
Throughput	12 samples per run	Screen size	7-inch touchable color screen
Consumables	8-well reagent tube + magnetic rod sleeve	Disinfection/decontamination method	UV lamp, fan
Nucleic acid extraction time	25-35 minutes	Input power	AC 100-240V~, 3.5-1.8A, 50/60Hz
Temperature control precision	0.5°C	Product weight	17±1kg
Temperature control accuracy	±1.5°C	Product size	350*250*380mm (L×W×H)
Heating range	Ambient temperature ~ 100°C		

[Product Introduction]



This kit is suitable for TECHSTAR YC701 Nucleic Acid Automatic Extraction System for extracting genomic DNA/RNA of pathogenic microorganisms from samples such as serum, plasma, cultured cells, saliva, alveolar lavage fluid, nasopharyngeal aspirates and swabs.

[Product name]

Magnetic Bead-Based Nucleic Acid (DNA/RNA) Extraction Kit

[Product number]

SC902-50

[Packing specification]

50 T/kit

[Transportation condition]

Room temperature

[Preservation condition]

Room temperature, or 2-8°C for long-term preservation

[Period of validity]

12 months

[Applicable instrument]

TECHSTAR YC701 Nucleic Acid Automatic Extraction System

[Features]

01

With magnetic rod sleeve Preloaded in the reagent strip, which is automatically loaded and unloaded with the machine without manual operation.

02

Unique room temperature stable proteinase K, all reagents in the kit do not need to be stored at low temperature.

03

The magnetic beads optimized for the genomic DNA/RNA of pathogenic microorganisms have excellent adsorption effect on small fragments of nucleic acids.

04

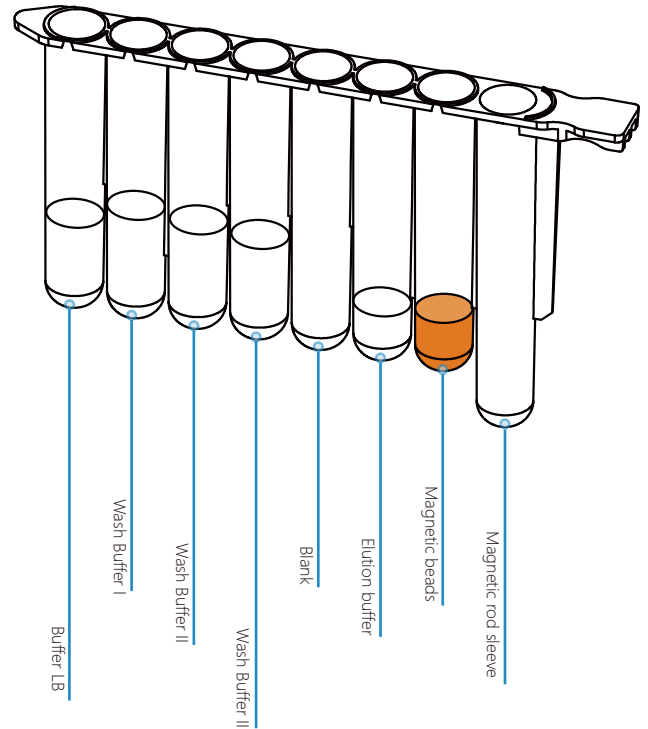
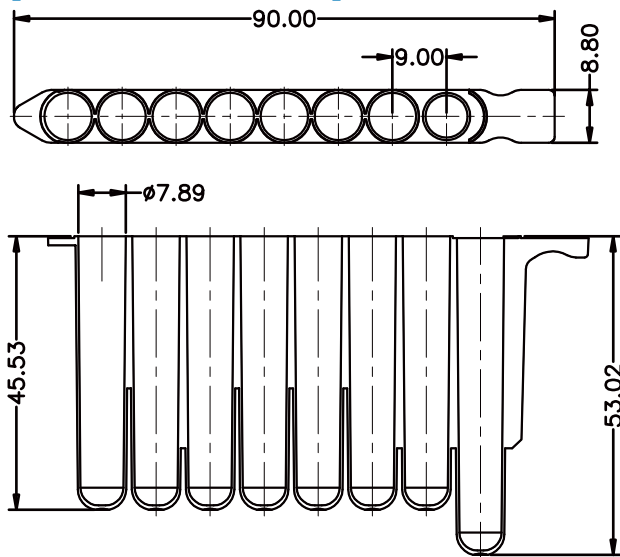
With high repeatability and yield, it is able to recover trace amount of pathogenic microorganism genomic DNA/RNA.

[Product components]

[Product components]

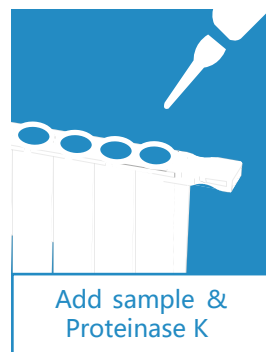
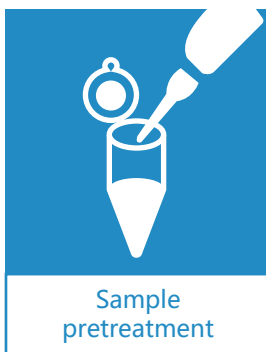
Product name	Qty.
Preloaded reagent strip	50 strips
Proteinase K	1 tube

[Product Dimensions]




[Preloaded location of reagent]

[Operation procedures]



 **techstar** | Wuxi Techstar Technology Co.,Ltd.

 Meiyu Road No .117 Workshop No .2,
Meicun Street ,Xinwu District ,Wuxi City ,
Jiangsu Province, PRC

 +86-0510-6851 8058

 www.tech-star.cn

 techstar8@163.com

Nucleic Acid (Throughput-32) Automatic Extraction System



Nucleic Acid Automatic Extraction System (Throughput-32)



Product introduction: With the latest isolation method of nucleic acid transferred by magnetic rods and preloaded magnetic beads-based extraction reagent, The YC702 Nucleic Acid Automatic Extraction System can process 1-32 samples and automatically isolate nucleic acids from various samples such as blood, cells, viruses, etc. The magnetic beads are adsorbed, transferred and released by the special magnetic rod, so as to realize the fully automated purification of nucleic acid.

[Product Features]



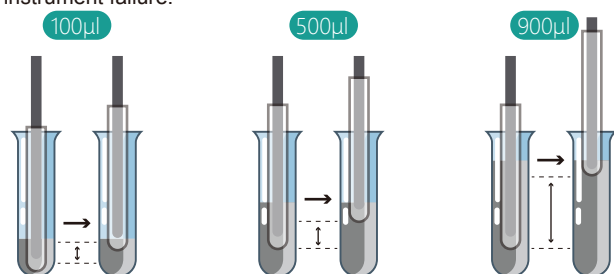
- Strong magnetic force:**
High-performance magnetic rod ensure magnetic beads recovery rate $\geq 98\%$.
- Avoid cross contamination:**
UV sterilization module effectively reduce the cross contamination between wells.
- Open system:**
Applicable to various magnetic beads-based extraction reagents.
- Multiple modes:**
Pre-programed multiple protocols for different samples.
- Precise temperature control:**
Automatic heating for lysis and elution, with fast heating speed and precise temperature control.
- Easy operation:**
7-inch touchable color screen to meet the needs of intelligent and convenient operation.
- Short processing time:**
Up to 32 samples can be processed in 25-35min.

Nucleic Acid Automatic Extraction System (Throughput-32)



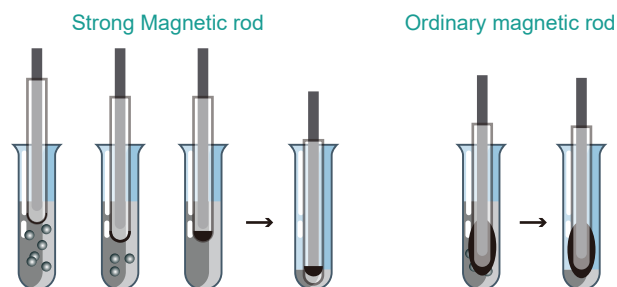
[Unique Magnetic Rod Movement]

The driving device is equipped with a high-performance stepping motor, with large magnetic rod vibration amplitude. The vibration amplitude can be set according to the volume of the solution to ensure good and even blending effect. The actuator is made of ball screw to ensure smoothly running, high precision and longer service life of the rod. Each moving component is protected by the limit position protection mechanism to avoid instrument failure.

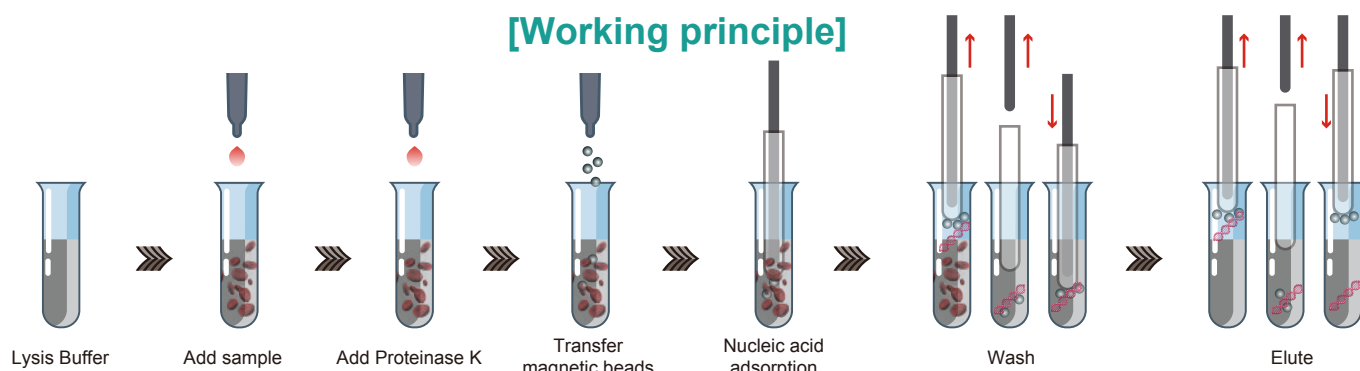


[New Strong Magnetic rod]

With the newly designed strong magnetic rod, the magnetic beads are absorbed on the head of the magnetic rod, so as to ensure that the elution buffer can still cover all the magnetic beads even with a small elution volume. The high recovery of magnetic beads ensures high yield of nucleic acid.



[Working principle]



Samples	The samples are lysed in Lysis buffer to release the nucleic acid	Transfer the magnetic beads into lysis buffer, blend fully and make the nucleic acids adsorbed onto the specific coated material on the surface of the magnetic beads	Clean the surface of magnetic beads repeatedly, to remove unnecessary protein, salt or other impurities	Transfer the magnetic beads to the elution buffer and mix thoroughly, the nucleic acid falls off the surface of the magnetic beads and dissolves into the elution buffer
---------	---	---	---	--

[Instrument parameters]

Product name	Nucleic Acid Automatic Extraction System	Nucleic acid extraction purity	1.8≤OD260/OD280≤2.0
Model	YC702	Inter-well purification variation	CV<3%
Certification	CE/RoHS	Magnetic beads recovery	≥98%
Throughput	32 samples per run	Screen size	7-inch touchable color screen
Consumables	96 deep-well plate + magnetic rod sleeve	Disinfection/decontamination method	UV lamp
Nucleic acid extraction time	25-35 minutes	Input power	AC 100-240V ~, 5.9-2.7A, 50/60Hz
Temperature control precision	0.5°C	Product weight	26.5±1kg
Temperature control accuracy	±1.5°C	Product size	550mm*450mm*550mm (L×W×H)
Heating range	Ambient temperature ~ 100°C		

[Product Introduction]

This kit is suitable for TECHSTAR YC702 Nucleic Acid Automatic Extraction System for extracting genomic DNA/RNA of pathogenic microorganisms from samples such as serum, plasma, cultured cells, saliva, alveolar lavage fluid, nasopharyngeal aspirates and swabs.

[Product name]

Magnetic Bead-Based Nucleic Acid (DNA/RNA) Extraction Kit

[Product No.]

SC906-64

[Packing specification]

64 T/kit

[Transportation condition]

Room temperature

[Preservation condition]

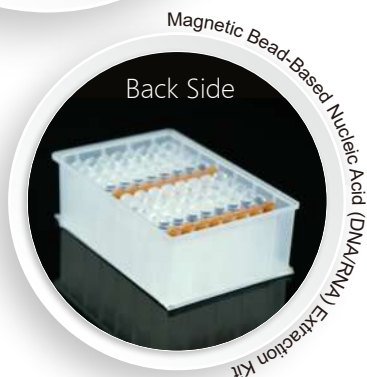
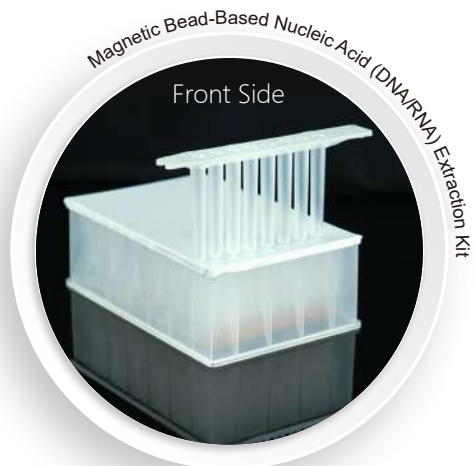
Room temperature, or 2-8°C for long-term preservation

[Period of validity]

12 months

[Applicable instrument]

TECHSTAR YC702 Nucleic Acid Automatic Extraction System



[Features]

01

Unique room temperature stable proteinase K, all reagents in the kit do not need to be stored at low temperature.

02

The magnetic beads optimized for the genomic DNA/RNA of pathogenic microorganisms have excellent adsorption effect on small fragments of nucleic acids.

03

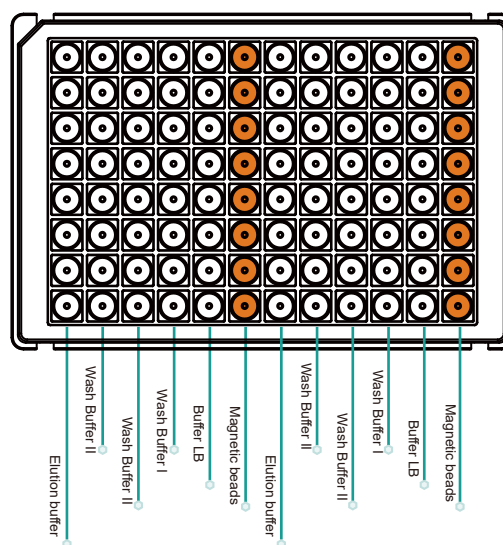
With high repeatability and yield, it is able to recover trace amount of pathogenic microorganism genomic DNA/RNA.

[Product components]

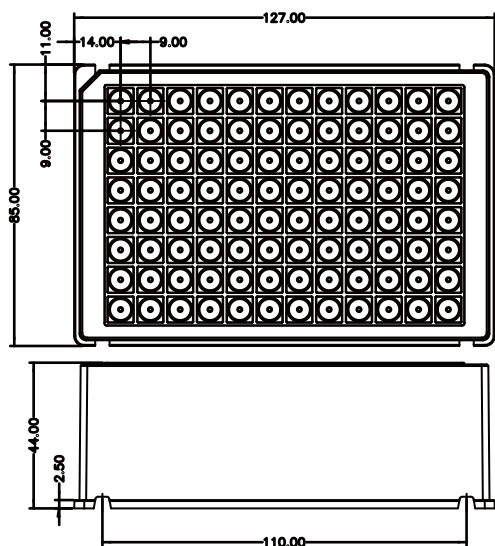
[Product components]

Product name	Qty
Preloaded reagent plate	4 plates
Magnetic rod sleeve	8 strips
Proteinase K	1 tube

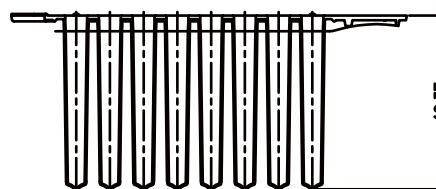
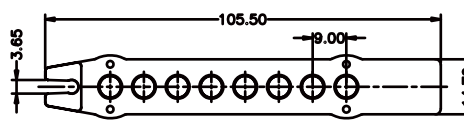
[Preloaded location of reagent]



[Product Dimensions]

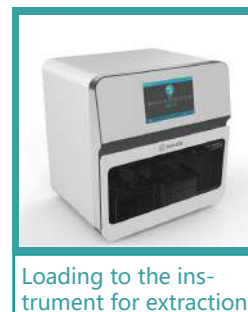


Preloaded reagent plate




Magnetic rod sleeve

[Operation procedures]



 **techstar** | Wuxi Techstar Technology Co.,Ltd.

 Meiyu Road No .117 Workshop No .2,
Meicun Street , Xinwu District , Wuxi City,
Jiangsu Province, PRC

 +86-18915343062

 www.tech-star.cn

 sale06@tech-star.cn



Nucleic Acid (Throughput-96) Automatic Extraction System



Nucleic Acid Automatic Extraction System (Throughput-96)

Product introduction: With the latest isolation method of nucleic acid transferred by magnetic rods and preloaded magnetic beads-based extraction reagent, The YC796 Nucleic Acid Automatic Extraction System can process 1-96 samples and automatically isolate nucleic acids from various samples such as blood, cells, viruses, etc. The magnetic beads are adsorbed, transferred and released by the special magnetic rod, so as to realize the fully automated purification of nucleic acid.

【Product Features】



Strong magnetic force

5500 Gauss magnetic rod ensure magnetic beads recovery rate $\geq 98\%$



Programming

In addition to programed protocols, support customers to create and edit protocols to meet the diverse needs



Small size

It can be placed in a common biological safety cabinet



Precise temperature control

Automatic heating for lysis and elution, with fast heating speed and precise temperature control



Avoid cross contamination

Intelligent magnetic rod motion control system and UV sterilization module effectively reduce the cross contamination between wells



Door opening protection

The program automatically pauses when opening the door in the working state, and automatically continues after closing



Open system

Applicable to various magnetic beads-based extraction reagents



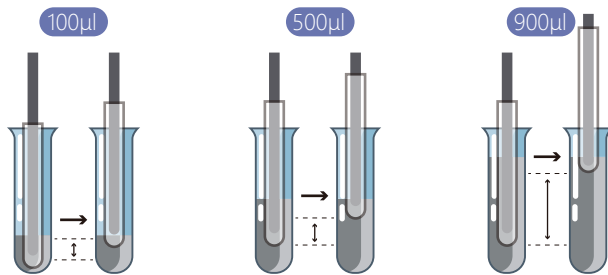
Short operating time

Complete the nucleic acid extraction of 96 samples within 30 minutes

Nucleic Acid Automatic Extraction System (Throughput-96)

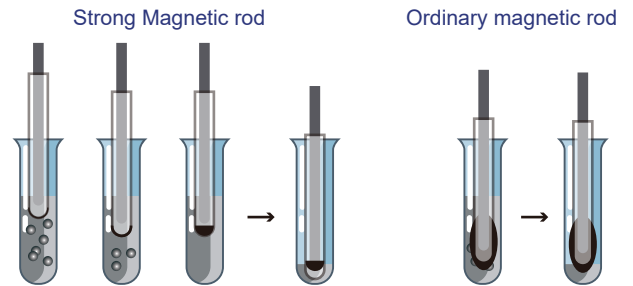
[Unique Magnetic Rod Movement]

The driving device is equipped with a high-performance stepping motor, with large magnetic rod vibration amplitude. The vibration amplitude can be set according to the volume of the solution to ensure good and even blending effect. The actuator is made of ball screw to ensure that the rod runs smoothly, has high precision and long service life. Each moving component is protected by the limit position protection mechanism to avoid instrument failure.

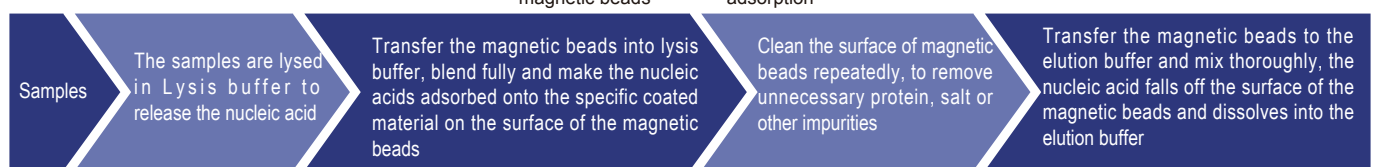
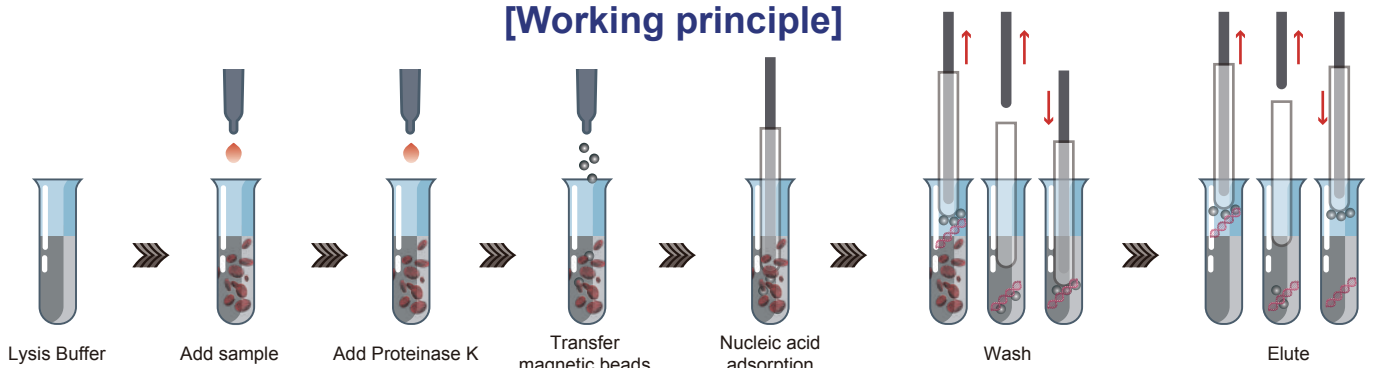


[New Strong Magnetic rod]

With the newly designed strong magnetic rod, the magnetic beads are absorbed on the head of the magnetic rod, so as to ensure that the elution buffer can still cover all the magnetic beads even with a small elution volume. The high recovery of magnetic beads ensures high yield of nucleic acid.



[Working principle]



[Instrument parameters]

Product name	Nucleic Acid Automatic Extraction System
Model	YC796
Certification	CE/ RoHS
Extraction channel	1-96
Consumables	96 well plate + Tip comb
Nucleic acid extraction time	15-35 minutes
Temperature control precision	0.5°C
Temperature control accuracy	±1.5°C
Temperature uniformity	±1.0°C

Heating range	Ambient temperature ~95°C
Nucleic acid extraction purity	1.8≤OD260/OD280≤2.0
Inter-well purification variation	CV<3%
Magnetic beads recovery	≥98%
Touch screen size	7 inch color touch screen
Disinfection/decontamination method	UV
Input power	AC 100-240V~, 3.4A, 50Hz
Product weight	52±1kg
Product size	743mm*465mm*447mm

Nucleic Acid Automatic Extraction System (Throughput-96)

【Kits and reagents】



The kit is suitable for TECHSTAR YC769 Nucleic Acid Automatic Extraction System for extracting genomic DNA/RNA of pathogenic microorganisms from samples such as serum, plasma, cultured cells, saliva, alveolar lavage fluid, nasopharyngeal aspirates and swabs.

【Product name】

Magnetic Bead-Based Nucleic Acid (DNA/RNA) Extraction Kit

【Product No.】 SC905

【Packing specification】 96 T/Kit

【Transportation condition】 Room temperature

【Preservation condition】

Room temperature, or 2-8℃ for long-term preservation

【Period of validity】 12 months

【Applicable instrument】

TECHSTAR YC796 Nucleic Acid Automatic Extraction System

【Features】

Reliable stability

Unique "Protease K" stable at room temperature, the complete kit does not need to be stored at low temperature.

High binding

Magnetic beads optimized for pathogenic microbial genomes have excellent adsorption effects on small nucleic acids.

Strong sealing

High-viscosity sealing film prevents liquid leakage during transportation.

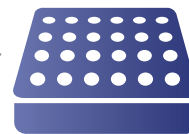
High sensitivity

With strong reproducibility and high purity, it can recover trace amounts of pathogenic microorganism DNA/RNA.

【Operation procedures】



Tear off the sealing film



Nucleic acid extraction

Add sample and Proteinase K

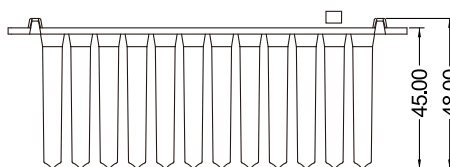
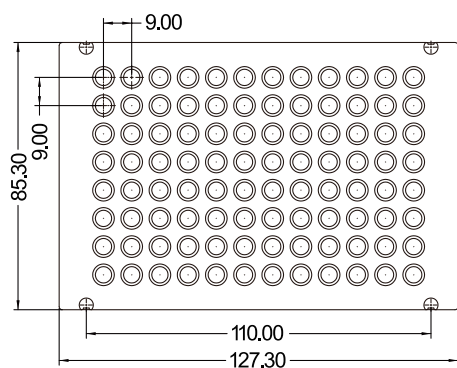
Loading to the instrument

Nucleic Acid Automatic Extraction System (Throughput-96)

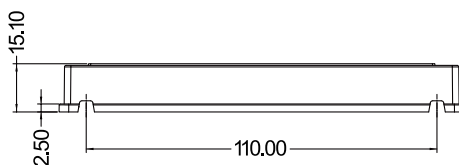
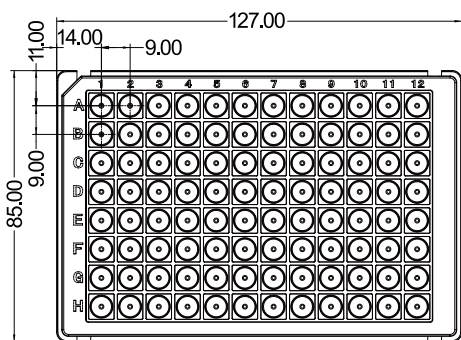
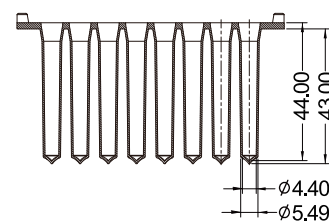
【Product components】

Name	Quantity	Capacity	Components
Tip comb	1	/	/
Sample plate	1	500 μ L \times 96	Guanidine Hydrochloride, TritonX-100, EDTA, etc.
Beads plate	1	200 μ L \times 96	Magnetic beads
Wash 1 plate	1	600 μ L \times 96	Guanidine Hydrochloride, EDTA, etc.
Wash 2 plate	2	600 μ L \times 96	75% ethanol
Elution plate	1	100 μ L \times 96	TE buffer
Protease K	1mL x 2	/	Protease K

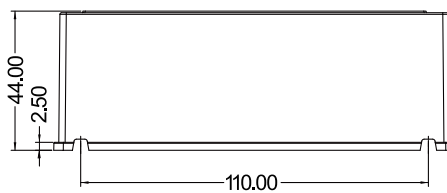
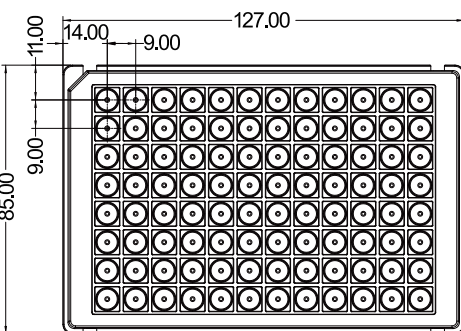
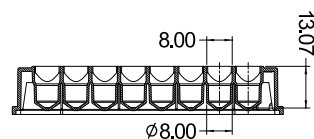
【Dimensions】



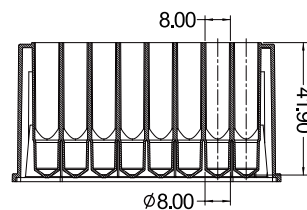
Tip comb




96 standard plate



96 deep-well plate



 **techstar** | Wuxi Techstar Technology Co.,Ltd.

 Workshop 2, No.117, Meiyu Road,
Meicun Street, Xinwu District, Wuxi, Jiangsu, PRC

 +86-18915343062

 www.tech-star.cn

 sale06@tech-star.cn