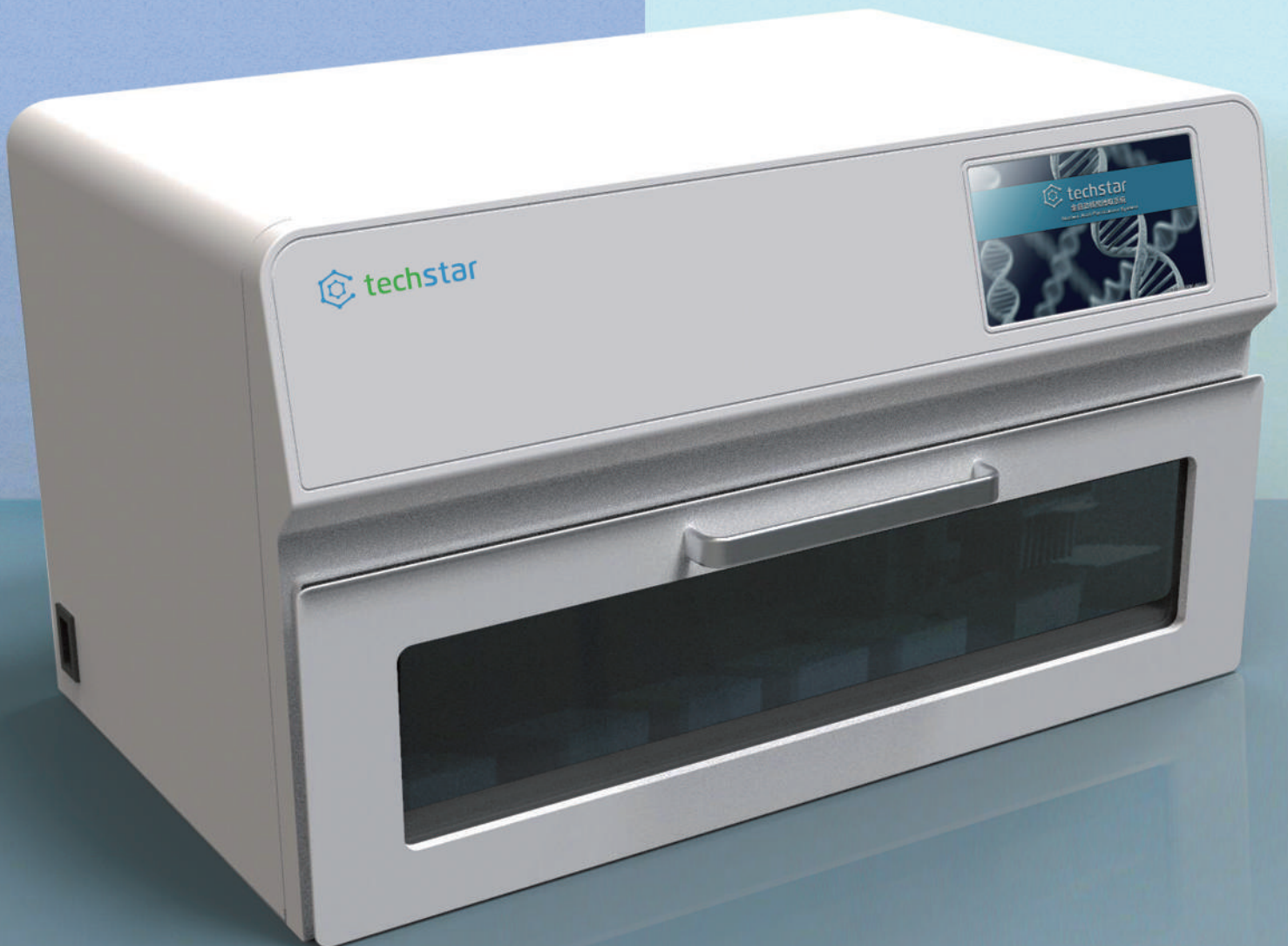




# Nucleic Acid (Throughput-96) Automatic Extraction System



# 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)

## 【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】

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 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】



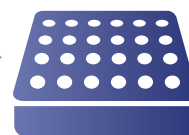
Tear off the sealing film



Add sample and Protease K



Loading to the instrument



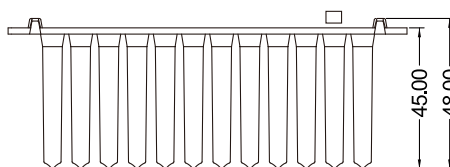
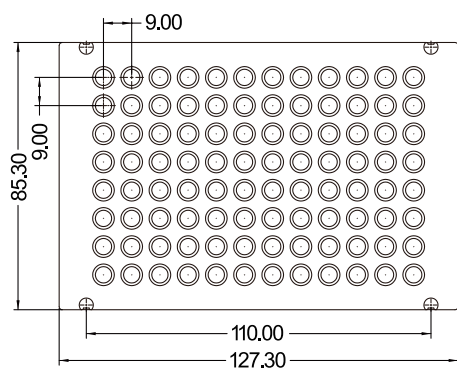
Nucleic acid extraction

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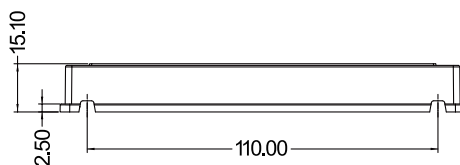
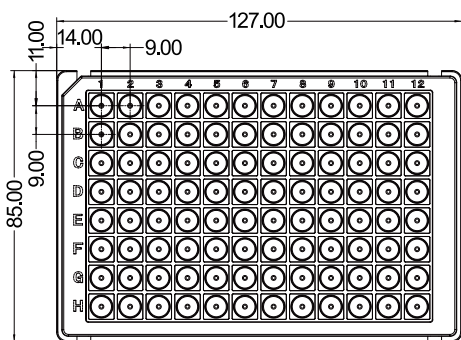
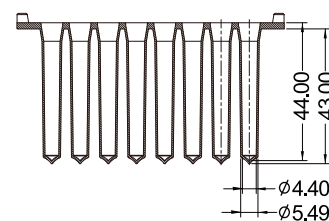
## 【Product components】

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

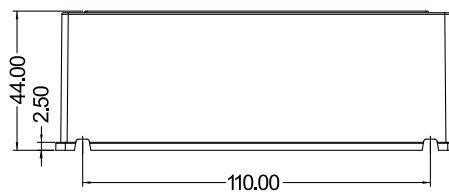
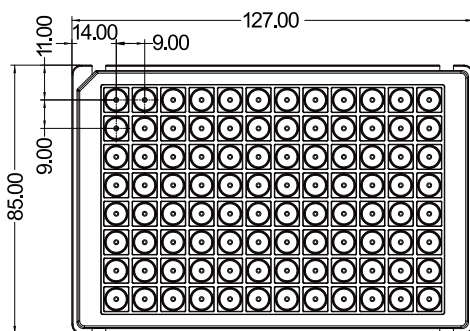
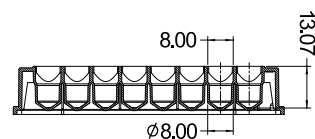
## 【Dimensions】



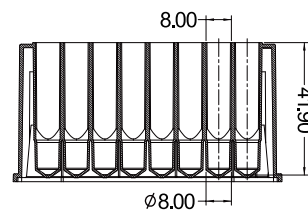
Tip comb




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

 +86-0510-6851 8058

 [www.tech-star.cn](http://www.tech-star.cn)

 [techstar8@163.com](mailto:techstar8@163.com)