

# Au-Mate SP96

## Automated Sample Transfer Processing System



Automated sample transfer processing system is for liquid sample transfer. Its main functions include automatic opening and closing of the sample tube cap, automatic sample dispensing, sample information input and partial reagent packaging.

Automatic operation, without manual intervention throughout the whole process. Can process 96 samples in one run within 35 min. The single loading processing supports modes of 5 mix 1, 10 mix 1 and 20 mix 1. It also supports the packaging of small volume reagents such as magnetic beads and proteinase k.

### Features

- ① Easy to Operate**  
With intuitive graphical software interface, the operator only need simple training to use
- ② Good Compatibility**  
Support multiple mixing modes of 5 mix 1, 10 mix 1 and 20 mix 1
- ③ Flexible Configuration**  
Modular design of cup and clamp parts, easy to replace and upgrade
- ④ Barcode Scanning**  
Equipped with a high-speed barcode scanner to quickly identify sample information while inserting into the sample holder
- ⑤ Efficient Pipetting**  
Standard equipped with two high-precision pipettors and a double cap-opening manipulator. 96 samples can be processed in 35 min
- ⑥ Cross-contamination Prevention**  
Equipped with UV sterilization lamp and HEPA to prevent cross-contamination
- ⑦ Reagent Refrigeration**  
Optional reagent refrigeration block, can be set at 0 °C ~ 105 °C, automatic cooling upon startup
- ⑧ Information Management**  
Can expand the information management system such as LIS system
- ⑨ IoT**  
Can expand the connection to the cloud for data management and remote management
- ⑩ Liquid Level Detection**  
The pipettor's pressure detection technology can detect the residual liquid volume and the height of the liquid level

## Specification

Model	Au-Mate SP96		
Throughput	1~96		
Tube type	Support 5 mL ~ 30 mL tube and mixing modes of 5 mix 1, 10 mix 1, 20 mix 1		
Plate number	Can place 6×96 deepwell plates		
Number of tips	Can place up to 2 boxes of tips		
Reagent dispensing	Support reagent packaging functions, such as magnetic beads, proteinase k, internal standard, etc		
Manipulator	2 cap-opening manipulator		
Processing speed	30 min / 96 samples		
Pipettor	Specification: 2×1000 µL pipettor		
	Liquid level detection: pressure liquid level detection, supporting liquid leakage and blockage detection		
	Pipetting range: 1~1000 µL		
	Precision (CV)	5 µL: ≤2.5% 20 µL: ≤2% 100 µL: ≤0.5% 500 µL: ≤0.5% 1000 µL: ≤0.3%	Accuracy (A) 5 µL: ±5% 20 µL: ±3% 100 µL: ±2% 500 µL: ±1% 1000 µL: ±1%
Pollution protection	Equipped with HEPA, UV sterilization lamp; Dual protection of the pipettor software aspirating and the liquid tray to prevent cross-contamination caused by liquid dripping during pipetting		
Operating software	Android system, tablet PC touch operation software, built-in 48 samples and 96 samples default sample transfer modes		
Instrument port	USB port		
Communication	CAN communication		
Information management	Support the automatic sample information input, which can expand the LIS system		
Power supply	100~240 V, 50 / 60 Hz, rated power 400 W		

## Ordering Information

Code	Product Description
AS21010-00	Au-Mate SP96 automated sample transfer processing system

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