

## **Auto Prep 200** **Automated liquid sample preparation station**

## Product Overview

In the daily manual preparation of liquid samples in the laboratory, there will be man-made operation errors such as adding less, adding more, and missing. Such operational errors seriously affect the reliability and accuracy of the standard curve in the sample detection. And also in the long-term preparation process, manual preparation will affect the health of experimenters.



- Simplify the preparation process and save preparation time
- Effectively reduce the residue level and avoid cross contamination
- Avoid differences in operations of different people from affecting accuracy
- Avoid contact with high concentration compounds to protect the health and safety of experimenters

Auto Prep 200 is an automated system which is design to prepare variety of liquid samples in the laboratory. Its intelligent and automatic preparation process let the experimenters free from the cumbersome and repeat work.

The system can automatically do the operations of transfer, dilution, constant and addition, which could be widely applied for the standard calibration curve preparation.

### Reliable performance

Fully automatic and programmed operation mode to ensure the consistency and repeatability of each sample preparation.

### Smart and convenient

Intelligent calculation, editing process by batches, effectively avoiding human operation errors, ensuring the accuracy of the curve.

### Remote monitor

The entire preparation process can be remotely monitored by software.

### Uniquely designed puncture needle

For volatile solvents, the puncture needle can directly pierce through the cap of the vials to remove the samples to prevent the solvent from volatilizing.

### Fast and efficient semiconductor temperature control system

The instrument is equipped with low temperature control, which can maintain and control the temperature of the environment during the preparation process.

### Optional light-proof design

The instrument can adopt a light-proof design to avoid the influence of light on compounds that are unstable to light during the preparation process.

## Product Features

### Automatic cleaning effectively avoiding cross contamination

#### Customized multi-stage cleaning

Multi-stage cleaning function for the sampling needle can be set to effectively reduce the residue level and avoid cross-contamination.

#### Automatic filling pipette preparation mode

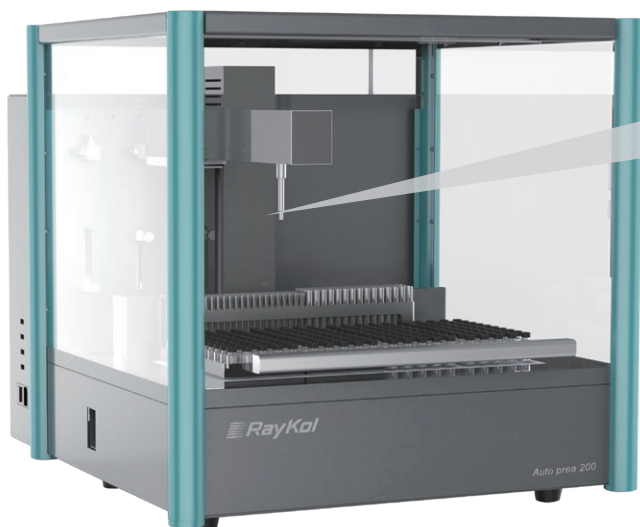
Automatic pipette preparation mode which can automatically load and discard pipette tips, and automatically replace pipette tips to effectively avoid cross contamination

### High reliability and accuracy

#### Double pump system control accuracy

The high-precision double pump system can automatically select the appropriate syringe for injection during the preparation process.



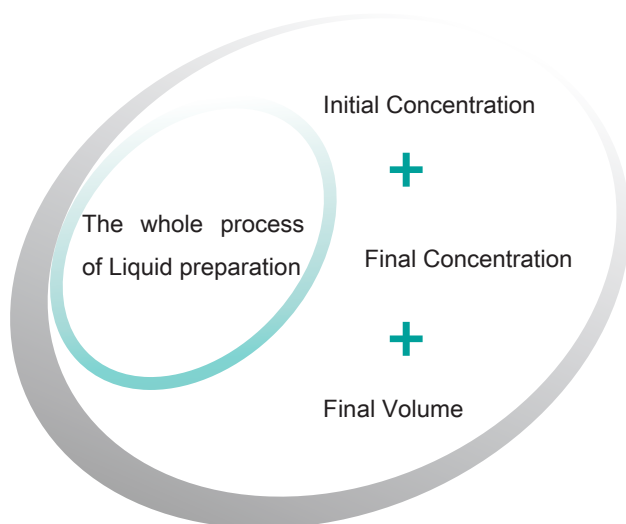


Automatically replace pipette tips  
avoid cross contamination

## Simple and convenient operation

### Automatic calculation, intelligent analysis

Method editing only needs to input the concentration of the original solution, input the required concentration and the required volume, and all concentration calculations and pipetting volume calculations are automatically completed; intelligent prediction analysis, when the dilution ratio is too large, it can automatically calculate as intermediate solution, and complete preparation by step.



### Method editing is simple and fast

Solvent settings - parameter settings- preparation-  
method settings-Intelligent detection- Method saving-  
One-key operation



## Real-time data tracking and recording

Real-time monitoring of the entire preparation process, real-time display of instrument status, visible pipetting volume, and automatic generation of original record reports to facilitate data storage and traceability. Method editing is oriented to avoid the lack of program commands, quickly edit, one key save.



## Application



# Knowledge Optimized Laboratory



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