



# PCR System **ST-9600**



### Experiment Scenario 1

What if the small system reagents evaporate after running PCR?

#### Servicebio ST-9600:

**Intelligent temperature control effectively prevents reagent evaporation**

Module upgrades can effectively prevent evaporation in small systems ranging from 5-15  $\mu$ L.

### Experiment Scenario 2

What to do if the non-specific amplification that often occurs during PCR amplification due to warming or cooling?

#### Servicebio ST-9600:

**Intelligent inhibition of non-specific amplification**

Effectively inhibits "non-specific amplification", reagents are cooled to 10  $^{\circ}$ C when the hot cap is warmed; Refrigerate at 4-8  $^{\circ}$ C at the end of the experiment.

### Experiment Scenario 3

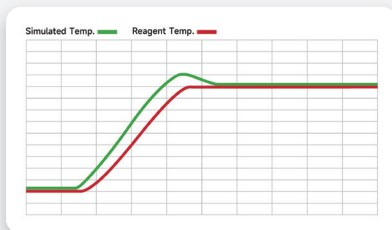
How can PCR reaction conditions be optimized more efficiently?

#### Servicebio ST-9600:

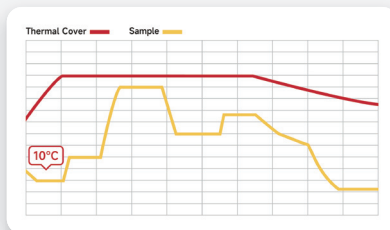
**Optimizes PCR Reaction Conditions**

The simultaneous arrival of gradient temperatures allows experiments to study PCR reaction conditions without interference from time factors.

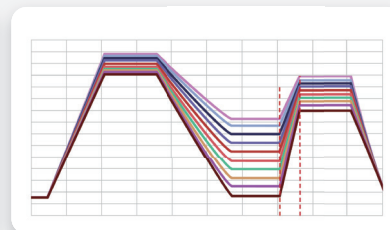
Experiment Scenario 1



Experiment Scenario 2



Experiment Scenario 3



## Parameters and Performance

### Product Features

Unique Tube Temperature Control Mode:

- a- Accelerates sample reaching set temperature via module temperature overshoot.
- b- Intelligent suppression of reagent evaporation in small systems.

Intelligent suppression of non-specific amplification;

Temperature gradient function for optimizing PCR reaction conditions;

Automatic module temperature calibration or chiller replacement prompts to ensure data reliability;

File management system with individual password setting for data protection against unauthorized modification or deletion;

Touchscreen programming for simplicity and intuitiveness.

### Parameter

Cat. No.	ST-9600
Module Specification	0.2 mL×96, Aluminum
Effective Hole Position	96 wells (single tube, 8/12-strip tubes, no skirt, half skirt)
Power Max	220V~50Hz, 600VA
Dimension L×W×H Max	437 mm×250 mm×235 mm
Weight Max	9.7 kg

### Function

Operating Functions	PCR parameters editing, viewing, program running, stopping, PCR amplification, hot cover, refrigeration and other functions.
Hot Lid Operating Temperature	Setting 105 $^{\circ}$ C, measured deviation is $\leq \pm 5$ $^{\circ}$ C.
Module Refrigeration Temperature	Setting 4 $^{\circ}$ C, measured deviation $\leq \pm 4$ $^{\circ}$ C