

STALWART

Portable Real-Time PCR System STN-96M



Introduction

Compact and portable, easy to use, high efficiency in real-time PCR testing with accurate temperature control, STN-96M allows real-time PCR tests out of your labs for all types of fields for your applications.

Features

- Compact size, 3.2kg, hand-held, easy to carry.
- 7-inch high-definition LCD capacitive touch screen, for your smooth operating experience.
- Patented design, no need for fluorescent calibration after moving.
- Instant power failure protection, seamless automatic recovery of the operation, no fear of unexpected situations.
- High-efficiency Testing
- 16-well dual-color fluorescence scanning within 1 second, to fight for your results against time.
- Independent temperature control module, supporting touchdown PCR, long-range PCR, qualitative and quantitative, melting curve, SNP site analysis, etc.
- The software analysis function is powerful, to meet the diverse testing needs of customers in various fields!
- Easy to Operate
- Special shortcut mode, preset programs for convenient and fast testing.
- Various ways to stay online: Internet interface, USB, WiFi.
- It can directly analyze the data in the stand-alone state, and the results are printable immediately after connecting to the printer.
- Various control modes including stand-alone, PC and tablet for the applications of multiple scenarios.

Specification

Model	STN-96M
Sample Throughput	16
Fluorescence Channels	2
Suitable Consumables	0.2mL transparent single tubes and 8-strip tubes
Compatible Fluorophores	Channel 1: FAM, SYBR Green I, SYTO 9, Eva Green, LC Green Channel 2: HEX, VIC, TET, JOE
Heating Rate	Average heating rate of 3.39C/s; maximum heating rate of 5.09C/s
Cooling Rate	Average cooling rate of 3.0 °C/s; maximum cooling rate of 4.0C/s
Temperature Accuracy	≤0.1°C
Light Source	High-brightness, long-life, maintenance-free LED light source
Detection Duration	Fluorescence channel information acquisition within 1 second for all holes
Temperature Controlled Programs	Supporting conventional PCR, touchdown PCR, long-range PCR, etc.
Hot Lid Temperature	40°C-110°C
Software Analysis	Qualitative analysis, absolute quantitative analysis, relative quantitative analysis, endpoint fluorescence analysis, dissociation curve analysis, and SNP analysis, etc.
Display	7-inch full-color HD LCD capacitive touch screen

Specification

Control Methods	Mode 1: touch-screen of STN-96M, with at least 1000 times storage data stand-alone Mode 2: computer software Mode 3: remote control via tablet
Result Analysis	The results can be analyzed directly on STN-96M and can be printed out directly when connected to a thermal printer; the results can also be analyzed through PC software depending on your preference
Network Connection	Internet interface, USB, WiFi
Power Failure Protection	Instant power failure protection, seamless automatic recovery of the experiment when restarted
Specifications and Weight	205mm (L) × 156mm (W) × 153mm (H); 3.2kg