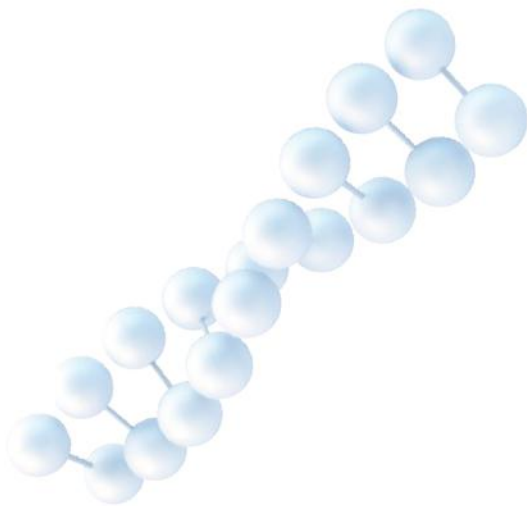




# Real-time PCR System Alamp Arcus96

Your ideal choice for qPCR



- > 10 inch touch screen, all commands in one touch
- > Easy-to-use Software
- > Advantage Temperature Control
- > LED-excitation and PD-detection, 7 seconds top optical scanning
- > Outstanding and powerful data analysis functions

# SPECIFICATIONS

Throughput	96
Fluorescence Channels	6
Compatible Fluorophores	Channel 1: FAM, SYBR Green I, SYTO 9, Eva Green, LC Green Channel 2: HEX, VIC, TET, JOE Channel 3: ROX, Texas Red Channel 4: Cy5 Channel 5: Alexa Fluor 680 Channel 6: FRET
Light Source	High-brightness, long-life and maintenance-free LED light source, excitation from the top
Detector	Photodiode (PD), top scanning
Heating Rate	Maximum heating ramp rate $\geq 6.1^{\circ}\text{C/s}$ ; Average heating ramp rate $\geq 4.5^{\circ}\text{C/s}$
Cooling Rate	Maximum cooling ramp rate $\geq 5.0^{\circ}\text{C/s}$ ; Average cooling ramp rate $\geq 2.8^{\circ}\text{C/s}$
Temperature Uniformity	$\pm 0.1^{\circ}\text{C}$
Temperature Accuracy	$\leq 0.1^{\circ}\text{C}$
Special Temperature Setting Function	Support thermal gradients PCR, Long PCR, Touch Down PCR
Suitable Consumables	0.2 mL 96-well plates, 8-tube strips, single tubes (clear, frosted and white)
Sample Testing Linearity and Repeatability	Linear Correlation: $ r  \geq 0.999$ Repeatability: cycle threshold (Ct) value CV $\leq 0.5\%$
Software Analysis	Qualitative analysis, absolute quantitative analysis, relative quantitative analysis, end point fluorescence analysis, melting curve analysis, and genotyping analysis, etc.
Control Method	Stand-alone operation: 10.4-inch touchscreen control; Cloud-enabled: PC software control via direct connection or LAN (local area network)
Power Failure Protection	Automatic recovery of the experiment and other functions when the power is on again after cutting off, without waiting for the power-on of the computer or software control
Data Storage and Transmission	A single machine can store more than 1000 experimental data files, which can be imported and exported via USB disks
Reporting Function	Built-in experiment report templates for a variety of industries; Fully open universal reporting of which the contents and formats can be customized
Operating System for PC	Win 7, Win 10
Instrument Dimensions	355mm $\times$ 475mm $\times$ 484mm (W $\times$ L $\times$ H)
Weight	30kg (net)
Power Supply and Power Consumption	AC 100-240V, 50-60Hz; 900VA