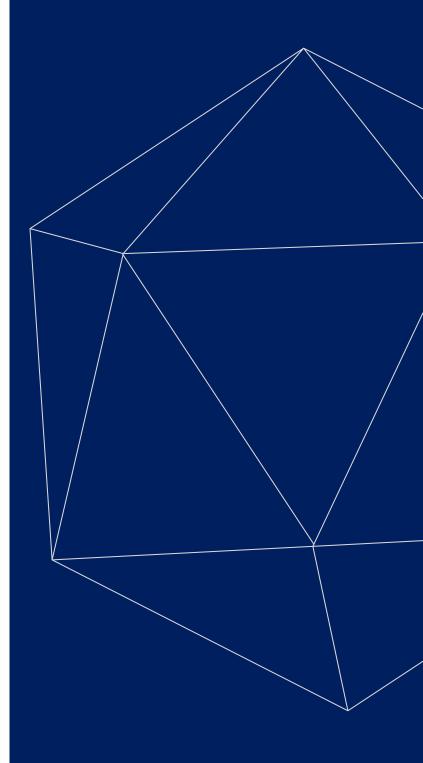


Kalstein A different accompaniment, at your service

LABORATORY SECTOR

PCR THERMAL CYCLERS





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KALSTEIN® PCR Thermal Cyclers

Thermal Cycler

Model YR01868





Product Description:

The YR01868 real-time PCR system is an advanced PCR workstation that incorporates innovative optical technologies and powerful software to provide maximum reliability and efficiency for all your real-time PCR needs. It is designed to meet the needs of small to medium laboratories, mobile labs and on-site testing. With 4 fluorescence channels, it is capable of processing 48 samples in a single run, making experiments easier to manage and more accurate. The YR01868 PCR workstation is the perfect combination of excellent performance, efficiency and portability.

48 samples to scan in 25:

Only 2s for 48 wells fluorescence scanning can significantly reduce testing time and improve efficiency for lab professionals.

More convenient with two configurations:

Independent configuration: 7-inch touch screen, direct print sample amplification curve, and CT values by connecting to a thermal printer (optional);

PC control configuration:

PC software control through connection, one PC can control maximum 10 instruments.

Easy to use and more flexible:

The YR01868 portable PCR workstation is designed to be small and lightweight. This can greatly enhance the mobility of this PCR workstation for on-site testing.

Efficient temperature control:

YR01868 only takes 40 minutes to complete a standard PCR amplification process, Temperature accuracy is controlled within 0.1°C.

Powerful analysis software:

YR01868 offers multiple functions including relative quantification, absolute quantification, melting curve analysis, SNP analysis, and supports other fluorescence analysis functions based on isothermal amplification technique.





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KALSTEIN® PCR Thermal Cyclers

Thermal Cycler

Model YR01868



Technical Description:

Throughput ene-48	Model	VD04000
Plucescence Channels 2		YR01868
Plorescence Scanning Time Dye Compatibility Channel 1: FAM, SYBR Green 1, SYTO 9, Eva Green, LC Green Channel 2: HEX, VIC, TET, JOE Optical System Light Source High-brightness, long life and maintenance-free LED light source Photodiodes (PDs) Excitation Range CH1: 470nm CH2:523nm CH3:570nm CH4:638nm Plorescence Dynamic Range CH1: 455nm CH2:564nm CH3:610nm CH4:685nm Fluorescence Dynamic Range From 101 to 1010copies Thermal Black Heating Method Peltier Heating Mate Cooling Rate Sel. 2 °C/s Temperature Accuracy Foradient Range Gradient Block Special Temperature Protocol Thermal gradients PCR, long PCR, Touch Down PCR Linear correlation: /r/ ≥ 0.999 Repeatability: cycle threshold (Cl) value CV≤0 0.5% Control Modes Power Failure Protection Data Storage and Transmission Reporting Function Reporting Function Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Operating System for PC Win7/Win10/Win11		
Channel 1: FAM, SYBR Green I, SYTO 9, Eva Green, LC Green Channel 2: HEX, VIC, TET, JOE Optical System Light Source Detector High-brightness, long life and maintenance-free LED light source Photodiodes (PDs) Excitation Range CH1: 470nm CH2:523nm CH3:570nm CH4:638nm Detection Range CH1: 525nm CH2:564nm CH3:610nm CH4:638nm Detection Range CH1: 525nm CH2:564nm CH3:610nm CH4:685nm Adjustable Fluorescence Dynamic Range From 101 to 1010copies Thermal Black Heating Method Peltier Cooling Rate Peltier Fab. 9°C's °C Cooling Rate Peltier Fab. 9°C's °C Gradient Range Provide Range Range Provide Range Provide Range Range Provide Range Range Provide Range Range Provide Range Rang		
Channel 2: HEX, VIC, TET, JOE Optical System Light Source Detector Photodiodes (PDs) Excitation Range CH1: 470nm CH2:523nm CH3:570nm CH4:688nm Detection Range CH1:525nm CH2:563nm CH3:685nm Fluorescence Dynamic Range Sample Dynamic Range From 101 to 1010copies Thermal Black Heating Method Heating Rate Cooling Rate Gradient Range Gradient Block Special Temperature Accuracy Sample Testing Linearity and Repeatability Software Functions Control Modes Power Failure Protection Reporting Function Reporting Function Reporting Function Reporting Function Relative quantification, melting curve analysis ,SNP analysis Others Operating System for PC Win7/Win10/Win11 High-brighters, log Heat, vic, Tet, JOE High-brightness, long Ife and maintenance-free LED light source Photoclicides (PDs) EHD Heating Ife and maintenance-free LED light source Photoclicides (PDs) EHD Heating Ife and maintenance-free LED light source Photoclicides (PDs) EHD Heating Ife and maintenance-free LED light source Photoclicides (PDs) High-brightness, long life and maintenance-free LED light source Photoclicides (PDs) From 101 to 26:503nm CH3:638nm Photoclicides (PDs) From 101 to 1010cp3:501m Heating Adjustable From 101 to 1010cp3:501m From 101 to 1010c	Fluorescence Scanning Time	
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Photodiodes (PDs)		
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Detection Range CH1:525nm CH2:564nm CH3:610nm CH4:685nm Fluorescence Dynamic Range From 101 to 1010copies Scample Dynamic Range From 101 to 1010copies Thermal Black Pelitier Heating Method Pelitier Heating Rate \$8.0 °C/s °C Cooling Rate \$6.2 °C/s Temperature Accuracy \$6.2 °C/s Gradient Range \$1 °C C Gradient Block 8 row Special Temperature Protocol Thermal gradients PCR, long PCR, Touch Down PCR Sample Testing Linearity and Repeatability Repeatability: cycle threshold (Ct) value CV≤0 0.5% Software Functions Model1: 7 inch touch screen Model1: 7 inch touch screen Model2: PC direct control Power Failure Protection Automatically start running experiments after power supply, no need to wait PC software Upload and download through USB disk. 1000 results can be stored in machine Reparting Function Reporting Function Templates reserved; customized experiment report Key Applications Relative quantification, absolute quantification, melting curv		
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Gradient Range 1°C-40 °C Gradient Block 8 row Special Temperature Protocol Thermal gradients PCR, long PCR, Touch Down PCR Sample Testing Linearity and Repeatability Linear correlation: /r/ ≥ 0.999 Repeatability: cycle threshold (Ct) value CV≤0 0.5% Software Functions Model1: 7 inch touch screen Mode 2: PC direct control Mode 2: PC direct control Power Failure Protection Automatically start running experiments after power supply, no need to wait PC software Data Storage and Transmission Upload and download through USB disk. 1000 results can be stored in machine Reporting Function Templates reserved; customized experiment report Key Applications Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Others Win7/Win10/Win11	Cooling Rate	≥6.2 °C/s
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Special Temperature Protocol Thermal gradients PCR, long PCR, Touch Down PCR Sample Testing Linearity and Repeatability Linear correlation: /r/ ≥ 0.999 Repeatability: cycle threshold (Ct) value CV≤0 0.5% Software Functions Model1: 7 inch touch screen Control Modes Mode 2: PC direct control Power Failure Protection Automatically start running experiments after power supply, no need to wait PC software Data Storage and Transmission Upload and download through USB disk. 1000 results can be stored in machine Reporting Function Templates reserved; customized experiment report Key Applications Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Others Win7/Win10/Win11	Gradient Range	1°C-40 °C
Sample Testing Linearity and Repeatability Linear correlation: /r/ ≥ 0.999 Repeatability: cycle threshold (Ct) value CV≤0 0.5% Software Functions		8 row
Repeatability: cycle threshold (Ct) value CV≤0 0.5% Software Functions Control Modes Model1: 7 inch touch screen Mode 2: PC direct control Automatically start running experiments after power supply, no need to wait PC software Upload and download through USB disk. 1000 results can be stored in machine Reporting Function Reporting Function Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Others Operating System for PC Model1: 7 inch touch screen Model2: PC direct control Automatically start running experiments after power supply, no need to wait PC software Upload and download through USB disk. 1000 results can be stored in machine Reporting Function Relative quantification, absolute quantification, melting curve analysis ,SNP analysis	Special Temperature Protocol	Thermal gradients PCR, long PCR, Touch Down PCR
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Model1: 7 inch touch screen Mode 2: PC direct control Power Failure Protection Automatically start running experiments after power supply, no need to wait PC software Upload and download through USB disk. 1000 results can be stored in machine Reporting Function Key Applications Others Operating System for PC Model1: 7 inch touch screen Mode 2: PC direct control Automatically start running experiments after power supply, no need to wait PC software Upload and download through USB disk. 1000 results can be stored in machine Templates reserved; customized experiment report Relative quantification, absolute quantification, melting curve analysis ,SNP analysis		Repeatability: cycle threshold (Ct) value CV≤0 0.5%
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PC software Upload and download through USB disk. 1000 results can be stored in machine Reporting Function Key Applications Others Operating System for PC Upload and download through USB disk. 1000 results can be stored in machine Templates reserved; customized experiment report Relative quantification, absolute quantification, melting curve analysis, SNP analysis	Power Failure Protection	Automatically start running experiments after power supply, no need to wait
Reporting Function Reporting Function Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Others Operating System for PC Win7/Win10/Win11		PC software
Reporting Function Reporting Function Templates reserved; customized experiment report Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Others Operating System for PC Win7/Win10/Win11	Data Storage and Transmission	Upload and download through USB disk. 1000 results can be stored in
Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Others Operating System for PC Relative quantification, absolute quantification, melting curve analysis ,SNP analysis Win7/Win10/Win11		
Others Operating System for PC Win7/Win10/Win11	Reporting Function	
Others Operating System for PC Win7/Win10/Win11	Key Applications	Relative quantification, absolute quantification, melting curve analysis ,SNP
Operating System for PC Win7/Win10/Win11		analysis
	Power Supply and Power Consumption	AC 100-240V,S0-60HZ; 600VA
	Weight	
200 100 20011111 (W E 11)	Instrument Dimension	
Suitable Consumables 0.2mL clear non-skirt 48-WELL plates, 8>tube strips, single tubes, etc.	Suitable Consumables	0.2mL clear non-skirt 48-WELL plates, 8>tube strips, single tubes, etc.



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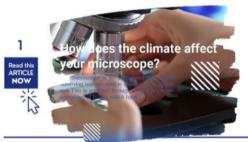
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