



A different kind of support at your service



**Kalstein**®

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**LABORATORY SECTOR**  
**PCR THERMAL**  
**CYCLERS**



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## Benefits & Assistance

At Kalstein France we care about the full satisfaction of our customers, that's why we offer value-added services of the highest level based on our expertise.



### Kalstein+ Platform

All of this would be presented in an intuitive and easy-to-use interface, providing a personalized and satisfying shopping experience for each customer.



### Quick Response

Our team is always available to answer all your questions or queries, in order to support you in any situation...



### #Letsgivemore ♥

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### Technical Support

Enjoy personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein manuals and articles, special catalogs and video tutorials.



### Delivery Logistics

We take care of all the logistics necessary for the shipment of your goods, whether by sea, land or air.



### Kalstein worldwide

With more than 25 years growing with our customers, Kalstein's multi-format and modern content is now present in more than 10 countries and growing.



### AI Model Recommendation

Model recommendation through AI is used to analyze user behavior, preferences and specific characteristics in order to recommend the most suitable product models for each customer.





## KALSTEIN® PCR Thermal Cyclers Real-Time Quantitative PCR System

Model YR06248 – YR06249



### Product Description:

- ✓ Based on innovative signal gathering and spectrum separation technology, together with unique temperature control technology, it reached an advanced level in terms of detection sensitivity, multi-color crosstalk correction, temperature uniformity and accuracy.
- ✓ The instrument is available with a 4-channel or a 5-channel configuration and is compatible with a wide spectrum of qPCR dye-based and probe-based chemistry, easily realizing multiplex PCR applications.
- ✓ The instrument supports standard analysis methods like absolute quantification, genotype, HRM, MMCA, and gene expressing analysis.

### Features:

- ✓ Fast and Precise Thermal Cycling
- ✓ Innovative Optic Design
- ✓ Excellent Reproducibility
- ✓ Up to 10-log dynamic range
- ✓ Melting Curve Analysis
- ✓ High Resolution



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## KALSTEIN® PCR Thermal Cyclers Real-Time Quantitative PCR System

Model YR06248 – YR06249



### Technical Specifications:

Model	YR06248	YR06249
<b>Sample capacity</b>	8*0.1mL PCR strip*12 96*0.1mL individual tube 0.1mL PCR Plate	
<b>Sample volume</b>	10-50 µL	
<b>Heating and Cooling method</b>	Peltier	
<b>Maximum ramping rate</b>	6.0° C/s	
<b>Temperature range</b>	4-100 °C	
<b>Temperature accuracy</b>	± 0.2°C	
<b>Temperature uniformity</b>	±0.2°C@60°C ±0.3°C@95°C	
<b>Optical Detecting System</b>		
<b>Excitation light</b>	4pcs high-efficiency single color LED	5pcs high-efficiency single color LED
<b>Detector</b>	SiPMT	
<b>Detection method</b>	Time-resolved real-time scanning	
<b>Excitation/Emission wavelengths</b>	455-650nm	510-750nm
<b>Detection Channels</b>	4 (optional 5 channels)	
<b>Supported dyes</b>	FAM/SYBR Green, VIC/JOE/HEX/TET, ROX/Texas Red, Cy5/LIZ. (Optional- Cy5.5 for 5-channel model)	
<b>Multiplexing</b>	Up to 4 targets (optional 5 targets for 5-channel model)	
<b>Sensitivity</b>	1 copy gene	
<b>Resolution</b>	1.33-fold copies difference in single-plex reaction	
<b>Dynamic range</b>	10 orders of magnitude	



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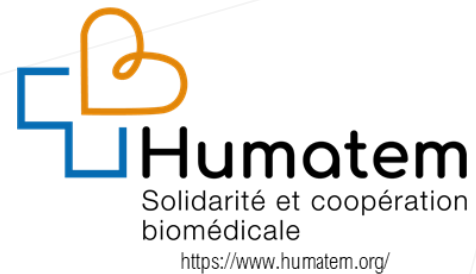
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