

# Kingwell Automated Thermal Cycler

Excellent Performance for What You Expected





## Features



### Accurate

Utilizes an ultra-stable gold-plated module for corrosion resistance, achieving precise temperature control with  $\pm 0.2^{\circ}\text{C}$  uniformity and  $\pm 0.1^{\circ}\text{C}$  accuracy.



### Hi-performance

Delivers up to 750w of instantaneous power, providing optimal reaction conditions for samples with high GC content, complex secondary structures, and low-concentration.



### Fast

Offers a maximum heating rate of  $7^{\circ}\text{C}/\text{s}$ , minimizing non-specific amplification and maximizing product yield.



### Smart

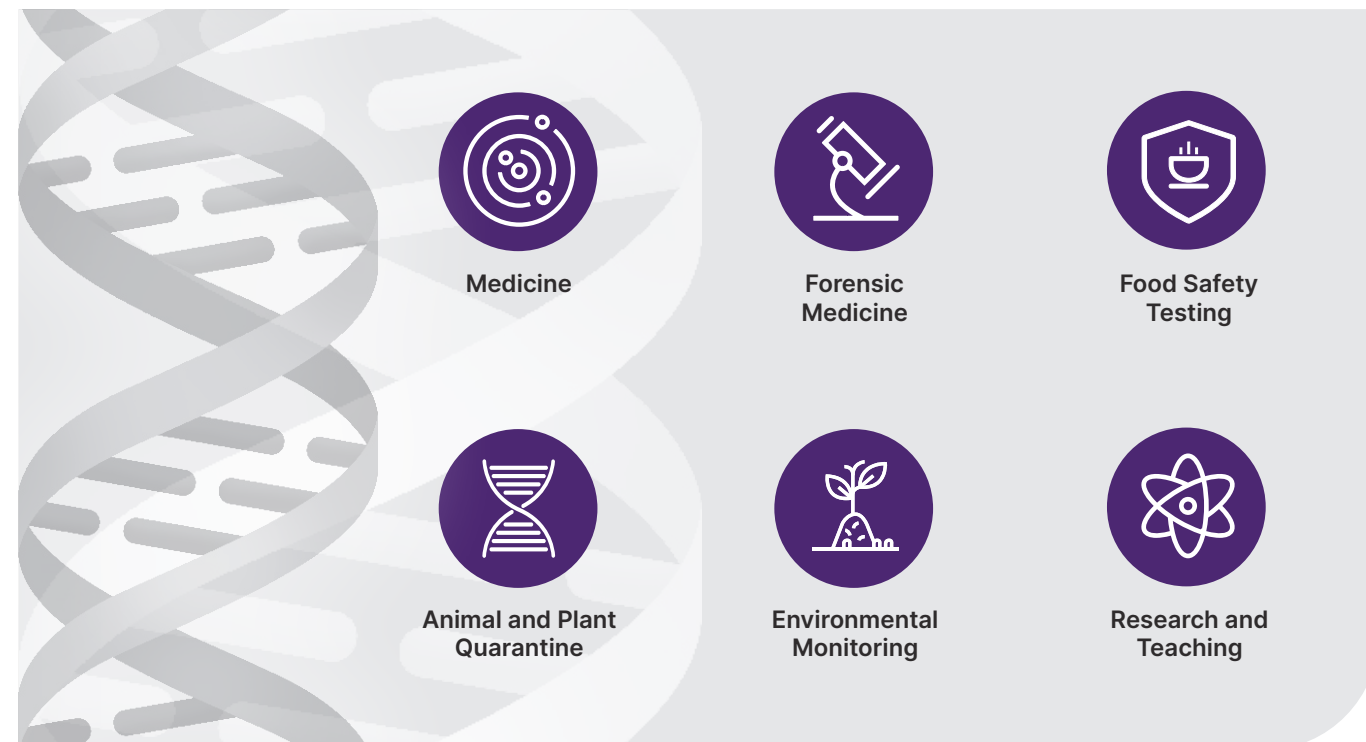
Features a concealed automated opening for space efficiency and ease of use.



### Automatic

Includes an automatic pressure sensor for high compatibility with consumables and evaporation prevention.

## Applications



## Specifications

Model	Kingwell 96	Kingwell 96DW	Kingwell 384
Temperature Module	Ultra-stable Gold-plated Module	Ultra-stable Gold-plated Module	Ultra-stable Gold-plated Module
Accuracy	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$
Uniformity	$\pm 0.2^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$	$\pm 0.2^{\circ}\text{C}$
Maximum Ramp Rate	$7^{\circ}\text{C}/\text{sec}$	$5^{\circ}\text{C}/\text{sec}$	$3^{\circ}\text{C}/\text{sec}$
Temperature Gradient	12 Rows, Range $30^{\circ}\text{C}$	12 Rows, Range $30^{\circ}\text{C}$	12 Rows
Temperature Range	$4-100^{\circ}\text{C}$	$4-100^{\circ}\text{C}$	$4-100^{\circ}\text{C}$
Lid Temperature Range	$30-110^{\circ}\text{C}$	$30-110^{\circ}\text{C}$	$30-110^{\circ}\text{C}$
Throughput	96	96	384
Sample Volume	1-80 $\mu\text{l}$	1-150 $\mu\text{l}$	1-30 $\mu\text{l}$
Touch-screen Display	10.1 Inch	10.1 Inch	10.1 Inch

## Ordering Information

Cat. Number	Description
611101	Kingwell 96 Automated Thermal Cycler, 0.2 ml, 96-well, Maximum Reaction Volume 80 $\mu\text{l}$
611102	Kingwell 96DW Automated Thermal Cycler, 0.2 ml, 96-well, Maximum Reaction Volume 150 $\mu\text{l}$
611103	Kingwell 384 Automated Thermal Cycler, 384-well, Maximum Reaction Volume 30 $\mu\text{l}$





Visit <https://www.aperbio.com/jingwei-pcr-amplifier/> to learn more about the **Kingwell Automated Thermal Cycler**.



*For further information, please contact the Aperbio office nearest you or visit our website at [aperbio.com](https://www.aperbio.com)*



**Aperbio Technologies (Suzhou) Co., Ltd.**  
Room 212-216, Building 2, No. 8 Jinfeng Road,  
Suzhou New District, Jiangsu, China.  
Tel: +86 512 8686 0010  
Email: [info@aperbio.com](mailto:info@aperbio.com)

**Aperbio Technologies (Singapore) Pte. Ltd.**  
3 International Business Park, #02-22,  
Nordic European Centre, Singapore 609927.  
Email: [infoapac@aperbio.com](mailto:infoapac@aperbio.com)

