

Thermal Cyclers : Peltier-Based

I. MyGene™ Series Peltier-base Thermal Cycler

Model MG 25+ 25wells × 0.2ml + 16wells × 0.5ml with hot lid

Model MG 48+ 48wells × 0.2ml + 48wells × 0.5ml with hot lid

Model MG 96+ 96wells × 0.2ml + 77wells × 0.5ml with hot lid

Model MG 384+ 384wells with hot lid

II. Gradient Thermal Cycler

Model MG 48G 48wells × 0.2ml + 48wells × 0.5ml with hot lid

Model MG 96G 96wells × 0.2ml + 77wells × 0.5ml with hot lid

III. Multi-Purpose Thermal Cycler

Model MG 96+/Y MG96+ + In-situ Plate, with hot lid

Model MG 96G/Y □ MG96G/ + In-situ Plate, with hot lid

IV. In-Situ Thermal Cycler

Model MG 96Y FLAT-block

V. ByGene™ Series Heating & Chilling Plate

Model BG25 with Standard Capacity 24wells × 1.5ml

Available Extra Block A: 24wells × 0.5ml ; Block B: 12wells × 1.5ml + 12wells × 1.5ml


Technology

Block Capacity
 Block Temperature Range
 Block Heating Rate
 Block Cooling Rate
 Block Uniformity
 Block Accuracy
 Mode of Temperature Control
 No. of Programs
 Max. No. of Cycle
 Temp.
 Increment/Decrement
 Time Increment/Decrement
 Auto Restart
 Hold at 4; ^\circ
 Running Time Display
 Hot Cover Temperature
 Dimension(L; ^ W; ^ H)
 Net Weight
 Wide Power Supply Range

Peltier-based

25wells; ^ 0.2ml+16wells; ^ 0.5ml
 0; ^ - 99; ^ ,but no more than 30; ^ below ambient temp.
 3; ^ /s
 2; ^ /s
 ^ ; ^ ; ^ 0.2; ^
 ^ ; ^ ; ^ 0.2; ^
 Sim-Tube & Block
 125
 99
 1 - 10; ^
 1 - 60s
 Yes
 Forever
 Yes
 105; ^
 325; ^ 220; ^ 135mm
 5.8kg
 110V; ^ 10%, 220V; ^ 25%, 50/60Hz 150W


Technology

Block Capacity
 Block Temperature Range
 Block Heating Rate
 Block Cooling Rate
 Block Uniformity
 Block Accuracy
 Mode of Temperature Control
 Ramping Rate Adjustable
 LCD
 No. of Programs
 Max. No. of Cycle
 Temp. Increment/Decrement
 Time Increment/Decrement
 Auto Restart
 Hold at 4;æ
 Running Time Display
 Hot Cover Temperature
 Height of Cover
 Dimension(L;ÁW;ÁH)
 Net Weight
 Wide Power Supply Range

Peltier-based

0.2ml;Á48wells+0.5ml;Á48wells
 0 - 99;æ, but no more than 30;æ below ambient temp.
 3;æ/sec
 2;æ/sec
 ;Ü;Á 0.2;æ
 ;Ü;Á 0.2;æ
 Sim-Tube & Block
 Yes
 Large-Size Blue LCD
 125
 99
 0.1 - 10.0;æ
 1 - 60s
 Yes
 Forever
 Yes
 105;æ
 Adjustable
 315;Á240;Á275mm
 8.8kg
 110V;Á10%, 220V;Á25%, 50/60Hz

white housing available




Technology

Block Capacity
 Block Temperature Range
 Block Heating Rate
 Block Cooling Rate
 Block Uniformity
 Block Accuracy
 Mode of Temperature Control
 Ramping Rate Adjustable
 LCD
 No. of Program
 Max. No. of Cycle
 Temp. Increment/Decrement
 Time Increment/Decrement
 Auto Restart
 Hold at 4;æ
 Running Time Display
 Hot Cover Temperature
 Height of Cover
 Dimension(L;ÁW;ÁH)
 Net Weight
 Wide Power Supply Range

Peltier-based

0.2ml;Á96wells+0.5ml;Á77wells
 0 ;æ- 99;æ,but no more than 30;æ below ambient temp.
 3;æ/sec
 2;æ/sec
 ;Ü;Á 0.2;æ
 ;Ü;Á 0.2;æ
 Sim-Tube & Block
 Yes
 Large-Size Blue LCD
 125
 99
 0.1 - 10.0;æ
 1 - 60s
 Yes
 Forever
 Yes
 105;æ
 Adjustable
 315;Á240;Á275mm
 8.8kg
 110V;Á10%, 220V;Á25%, 50/60Hz

A set of additional In-situ plate available for In-situ PCR experiments.

white housing available





Technology	Peltier-based
Block Capacity	0.2ml; 108wells+0.5ml; 88wells
Block Temperature Range	0; -99; but no more than 30; below ambient temp.
Block Heating Rate	3; /sec
Block Cooling Rate	2; /sec
Block Uniformity	0.2;
Block Accuracy	0.2;
Mode of Temperature Control	Sim-Tube & Block
Ramping Rate Adjustable	Yes
LCD	Large-Size Blue LCD
No. of Program	125
Max. No. of Cycle	99
Temp. Increment/Decrement	0.1 - 10.0;
Time Increment/Decrement	1 - 60s
Auto Restart	Yes
Hold at 4;	Forever
Running Time Display	Yes
Hot Cover Temperature	105;
Height of Cover	Adjustable
Dimension(L; W; H)	315; 240; 275mm
Net Weight	8.8kg
Wide Power Supply Range	110V; 10%, 220V; 25%, 50/60Hz
white housing available	



Thermal Cycler
Model MG308+


Technology	Peltier-based
Block Capacity	384wells
Block Temperature Range	384wells microplate
Block Heating Rate	3;æ/sec
Block Cooling Rate	2;æ/sec
Block Uniformity	Û;À 0.2;æ
Block Accuracy	Û;À 0.2;æ
Mode of Temperature Control	Sim-Tube & Block
Ramping Rate Adjustable	Yes
LCD	Large-Size Blue LCD
No. of Program	125
Max. No. of Cycle	99
Temp. Increment/Decrement	0.1 - 10.0;æ
Time Increment/Decrement	1 - 60s
Auto Restart	Yes
Hold at 4;æ	Forever
Running Time Display	Yes
Hot Cover Temperature	105;æ
Height of Cover	Adjustable
Dimension(L;ÁW;ÁH)	315;Á240;Á275mm
Net Weight	8.8kg
Wide Power Supply Range	110V;À10%, 220V;À25%, 50/60Hz
white housing available	




Technology

Block Capacity
 Block Temperature Range
 Block Heating Rate
 Block Cooling Rate
 Block Uniformity
 Block Accuracy
 Mode of Temperature Control
 Ramping Rate Adjustable
 LCD
 No. of Program
 Max. No. Of Cycle
 Temp. Increment/Decrement
 Time Increment/Decrement
 Auto Restart
 Hold at 4;æ
 Running Time Display
 Hot Cover Temperature
 Height of Cover
 Gradient Accuracy
 Column Uniformity
 Lowest Temp. of Gradient
 Highest Temp.of Gradient
 Temp.Differential Range
 Dimension(L;ÁW;ÁH)
 Net Weight
 Wide Power Supply Range

Peltier-based

0.2ml;Á48wells+0.5ml;Á48wells
 0;æ - 99;æ,but no more than 30;æ below ambient temp.
 3;æ/sec
 2;æ/sec
 ;Ü;Á 0.2;æ
 ;Ü;Á 0.2;æ
 Sim-Tube & Block
 Yes
 Large-Size Blue LCD
 125
 99
 0.1 - 10.0;æ
 1 - 60s
 Yes
 Forever
 Yes
 105;æ
 Adjustable
 ;Ü0.3;æ
 ;Ü0.3;æ
 30;æ
 99;æ
 1 ;æ- 30;æ
 315;Á240;Á275mm
 8.8kg
 110V;Á10%, 220V;Á25%, 50/60Hz

white housing available




Technology

Block Capacity
 Block Temperature Range
 Block Heating Rate
 Block Cooling Rate
 Block Uniformity
 Block Accuracy
 Mode of Temperature Control
 Ramping Rate Adjustable
 LCD
 No. of Program
 Max. No. Of Cycle
 Temp. Increment/Decrement
 Time Increment/Decrement
 Auto Restart
 Hold at 4;æ
 Running Time Display
 Hot Cover Temperature
 Height of Cover
 Gradient Accuracy
 Column Uniformity
 Lowest Temp. of Gradient
 Highest Temp. of Gradient
 Temp.Differential Range
 Dimension(L;ÁW;ÁH)
 Net Weight
 Wide Power Supply Range

Peltier-based

0.2ml;Á96wells+0.5ml;Á77wells,96wells microplate
 0;æ - 99;æ,but no more than 30;æ below ambient temp.
 3;æ/s
 2;æ/s
 ;Ü;Á 0.2;æ
 ;Ü;Á 0.2;æ
 Sim-Tube & Block
 Yes
 Large-Size Blue LCD
 125
 99
 0.1 - 10.0;æ
 1 - 60s
 Yes
 Forever
 Yes
 105;æ
 Adjustable
 ;Ü;Á0.3;æ
 ;Ü;Á0.3;æ
 30;æ
 99;æ
 1;æ - 30;æ
 315;Á240;Á275mm
 8.8kg
 110V;Á10%, 220V;Á25%, 50/60Hz

A set of additional In-situ plate available for In-situ PCR experiments.



white housing available



Technology	Peltier-based
Block Capacity	0.2ml; 108wells+0.5ml; 88wells, 96wells microplate
Block Temperature Range	0;æ - 99;æ, but no more than 30;æ below ambient temp.
Block Heating Rate	3;æ/s
Block Cooling Rate	2;æ/s
Block Uniformity	ÿ;À 0.2;æ
Block Accuracy	ÿ;À 0.2;æ
Mode of Temperature Control	Sim-Tube & Block
Ramping Rate Adjustable	Yes
LCD	Large-Size Blue LCD
No. of Program	125
Max. No. Of Cycle	99
Temp. Increment/Decrement	0.1 - 10.0;æ
Time Increment/Decrement	1 - 60s
Auto Restart	Yes
Hold at 4;æ	Forever
Running Time Display	Yes
Hot Cover Temperature	105;æ
Height of Cover	Adjustable
Gradient Accuracy	ÿ;À 0.3;æ
Column Uniformity	ÿ;À 0.3;æ
Lowest Temp. of Gradient	30;æ
Highest Temp. of Gradient	99;æ
Temp. Differential Range	1;æ - 30;æ
Dimension(L;ÁW;ÁH)	315;Á240;Á275mm
Net Weight	8.8kg
Wide Power Supply Range	110V;À10%, 220V;À25%, 50/60Hz

white housing available




Technology

Block Capacity
 Block Temperature Range
 Block Heating Rate
 Block Cooling Rate
 Block Uniformity
 Block Accuracy
 Mode of Temperature Control
 Ramping Rate Adjustable
 LCD
 No. of Program
 Max. No. of Cycle
 Temp. Increment/Decrement
 Time Increment/Decrement
 Auto Restart
 Hold at 4;æ
 Running Time Display
 Dimension(L;ÁW;ÁH)
 Net Weight
 Wide Power Supply Range

Peltier-based

Flat
 0;æ - 99;æ, but no more than 30;æ below ambient temp.
 3;æ/s
 2;æ/s
 Ü;À 0.2;æ
 Ü;À 0.2;æ
 Sim-Tube & Block
 Yes
 Large-Size Blue LCD
 125
 99
 0.1 - 10.0;æ
 1 - 60s
 Yes
 Forever
 Yes
 315;Á240;Á275mm
 8.8kg
 110V;À10%, 220V;À25%, 50/60Hz


Technology

Standard Block Capacity

Temp. Range

Accuracy

Uniformity

Stability

Timer

Programming

Power Consumption

Wide Power Supply Range

Dimension

Weight

Peltier-based

24wells; Á1.5ml .two additional block available to purchase:A:24wells; Á0.5ml ,B:12 wells; Á1.5ml+ 12wells; Á0.5ml

0;æ~100;æ,no more than 30;æ below ambient temp.

< ;À0.5;æ

< ;À0.5;æ

< ;À0.5;æ

Yes

Yes

50W

110V; À10%, 220V; À25%, 50/60Hz

16.5; Á22; Á9cm

3.5kg