

96 Well, Gradient Block	Compatible with regular profile or low profile 0.2 ml PCR tube, strip, non-skirted, semi-skirted and full-skirted 96-well plate
Block Temperature Range	4.0 - 100 °C
Max. Heating / Cooling Rate	5.5 °C/sec / 3.3 °C/sec
Temperature Accuracy / Uniformity	+/- 0.3 °C / +/- 0.3 °C
Adjustable Ramp Rate	0.1 - 5.5°C/sec
Gradient Direction	Horizontal across the block
Gradient Temperature Range	30 - 100 °C
Gradient Temperature Difference	Max. span 30 °C
Temperature Setting Range	35 - 120 °C or off
Temperature Accuracy	+/- 1.0 °C
Portability of Protocols	Save and transfer to computer or via USB flash drive
Stored Program No.	> 4000 sets
Registered User Folder No.	100 sets
User Folder Password Protection	Yes
Run Status Report	Yes, HTML output and transfer via USB flash drive
Real-time Temp. Profile Export	Yes, CSV output and transfer via USB flash drive
Tools	Tm calculator, Copy number convertor, Master mix preparation wizard
Display	7" color LCD with capacitive touch panel
Data Port	1 USB Type-A front port for USB flash drive
Heated Lid	35 - 120 °C or off
Auto Restart after Power Outage	Yes

Remote Monitoring via Wi-Fi	Yes
Footprint Dimensions (H x W x D)	225 mm x 245 mm x 415 mm
Weight	9.5 kg
Power Supply AC	100-240 V, 50/60 Hz, 750 W
Certification	CE, RoHS

Terence
Terence Diane Forbella
End-user

Noted by:

Maria
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Director

Plate Shaker-Thermostat

Specifications:

USE:

PRINCIPLE:

Shaking and thermostating 4 standard 96-well microplates.
A multisystem principle.

Allows operating it as 3 independent devices:

1. Incubator;
2. Microplate Shaker;
3. Thermo Shaker

INCLUSION:

1. Two-Side Microplates
2. Heating, which allows to achieve full correspondence of the set and actual temperature in the microplate wells
3. Provides heating up to 60°C, which is sufficient for carrying out ELISA tests.

Plate Shaker-Thermostat should provide:

1. Soft or intensive sample shaking
2. Rotation speed regulation, stabilization and indication
3. Even rotation amplitude throughout the Thermo-Shaker platform
4. Required operation time setting and indication
5. Automatic stopping of the platform movement after expiration of the set time
6. Setting and indication of the required temperature on the platform
7. Automatic fault diagnostics (temperature sensor, platform heating, lid heating etc.)
8. Spring clamps

APPLICATION FIELDS:

1. Cytochemistry — for in situ reactions
2. Immunochemistry — for immunofluorescent reactions
3. Biochemistry — for enzyme and protein analysis
4. Molecular biology — for micro array analysis
5. Temperature Calibration Function
6. With the help of the temperature calibration function the user can calibrate the unit approx. $\pm 6\%$ of the selected temperature to compensate differences in the thermal behaviour of plates from different manufacturers.

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temperature setting range
 temperature control range
 temperature setting resolution

Temperature stability

Temperature uniformity at +37°C

Heating

Speed control range

Digital time setting

Timer sound signal

Orbit

Display

Max. height of microtest plate

Number of microtest plates

Platform dimensions (w x d)

Overall dimensions (W×D×H)

Weight

Input current/power consumption

External power supply

* Timer range can be reprogrammed on customers demand

+25°C ... +60°C

+5°C above ambient ... +60°C

0.1°C

±0.1°C

±0.25°C

Patented two-side microplate heating

250–1200 rpm (increment 10 rpm)

1 min–96 hrs / non-stop* (increment 1 min)

+

2 mm

LCD, 16 x 2 signs

18 mm

4

290 x 210 mm

380 x 390 x 140 mm

8.8 kg

12 V DC, 4.15 A / 50 W

Input AC 100–240 V; 50/60 Hz; Output DC 12 V

+