

PST-100HL, Plate Shaker-Thermostat

DESCRIPTION

Plate Thermo-Shakers are designed for shaking and thermostating 2 standard 96-well microplates. **Prietaiso paskirtis**

A multisystem principle, used in design of the Thermo-Shaker, allows operating it as 3 independent devices:

- Incubator;
- Microplate shaker;
- Thermo-Shaker.

A distinctive feature of Biosan Plate Thermo-Shakers is the patented by the company **Two-Side Microplates Heating**, which allows to achieve full correspondence of the set and actual temperature in the microplate wells.

Thermo-shaker **PST-100HL** with the ability to stabilize the temperature up to 100 ° C is specially designed for the hybridization reactions.

Plate Shaker-Thermostat provides:

- Soft or intensive sample shaking
- Rotation speed regulation, stabilization and indication
- Even rotation amplitude throughout the Thermo-Shaker platform
- Required operation time setting and indication
- Automatic stopping of the platform movement after expiration of the set time
- Setting and indication of the required temperature on the platform

Application fields:

- Cytochemistry — for in situ reactions
- Immunochemistry — for immunofluorescent reactions
- Biochemistry — for enzyme and protein analysis
- Molecular biology — for micro array analysis



CAT. NUMBER

| | |
|---------------|---|
| BS-010142-AAI | 230VAC 50/60Hz Euro plug |
| BS-010142-AAQ | 230VAC 50/60Hz UK plug |
| BS-010142-AA4 | 230VAC 50/60Hz AU plug |
| BS-010142-AAJ | 100VAC 50/60Hz US plug, 120VAC 60Hz US plug |
| BS-010142-AK | IQ OQ document |
| BS-010142-BK | PQ document |

SPECIFICATIONS

| | | |
|-----------------------------------|--|--|
| Temperature setting range | +25°C ... +100°C | Temperatūros nustatymo diapazonas |
| Temperature control range | +5°C above ambient ... +100°C | |
| Temperature setting resolution | 0.1°C | Temperatūros nustatymo žingsnis |
| Temperature stability | ±0.1°C | Temperatūros stabilumas |
| Temperature uniformity at +37°C | ±0.2°C | Temperatūros vienodumas, esant 37 °C |
| Heating | Patented two-side microplate heating | |
| Speed control range | 250–1200 rpm (increment 10 rpm) | Maišymo greičio reguliavimo diapazonas, maišymo greičio nustatymo žingsnis |
| Digital time setting | 1 min–96 hrs / non-stop (increment 1 min) | Laiko reguliavimo diapazonas |
| Timer sound signal | + | |
| Orbit | 2 mm | Orbita |
| Display | LCD, 16 x 2 signs | Ekranas |
| Maximum continuous operation time | 168 h | |
| Max. height of microtest plate | 18 mm | |
| Number of microtest plates | 2 | |
| Platform dimensions (w x d) | 250 x 150 mm | Platformos išmatavimai |
| Overall dimensions (W×D×H) | 270 x 260 x 125 mm | Prietaiso išmatavimai |
| Weight | 5.9 kg | |
| Input current/power consumption | 12 V, 5 A / 60 W | Energijos sąnaudos |
| External power supply | Input AC 100–240 V; 50/60 Hz; Output DC 12 V | |