

Plate Shaker-Thermostat PST-60HL



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Thermo-Shaker PST-60HL is designed for shaking 1-2 standard 96-well microplates in the thermostating mode.

Thermo-Shaker was designed using the multi-system principle, which allows using it as three independent devices:

- incubator for lasting incubation without shaking of micro quantities (insect, plant cell cultures, etc.) in immunoplates;
- microplate shaker for operation in the cold room or other conditions, which do not require temperature stabilisation;
- microplate thermo-shaker for immunochemistry and molecular diagnostics, where the requirements to the result reproducibility and thus to the precise method regulation are particularly high.

A distinctive feature of BioSan thermo-shakers PST-60HL is the patented two-side heating of microtest plates that allows achieving exact correspondence of the set and actual temperature in wells of the microtest plates.

Thermo-Shaker PST-60HL provides:

- Gentle or vigorous shaking of samples;
- Regulation, stabilisation and indication of rotation speed;
- Even shaking amplitude throughout Thermo-Shaker platform;
- Setting and indication of the required operation time;
- Automatic stop of platform movement after the set time expires;
- Indication of the current operation time;
- Setting and indication of the required temperature on the platform.



zoom image

The device can be used in:

- Cytochemistry for in situ reactions;
- Immunochemistry for immunofermentative reactions;
- Biochemistry for enzyme and protein analysis;
- Molecular chemistry for matrix analysis.



zoom image

Cat. Nr:

PST-60HL incl. external power supply unit

Voltage

Euro plug 230VAC/12VDCBS-010119-AAI

Specification

Temperature regulation range +25° ... + 60°C

Thermo-shaker provides stable thermoregulation when the set temperature is atleast 5°C higher than the ambient temperature.

Speed regulation 250 - 1200 RPM (increment 10 RPM)

Nominal regulation accuracy ±0.1 °C

Temperature uniformity over the platform 0.2 °C

Orbit 2 mm

Time of thermoblock heating from RT till 37°C	15-20 min
Independent timer with sound signal (increment 1 min)	0 - 96 hrs
Display 16x2 signs	LCD
Power	External power supply: DC 12 V, 4.16 A
Number of microtest plates	2 pcs.
Weight	7 kg
Overall dimensions	270x260x125 mm
Platform's dimensions	250x150 mm