



## Microplate Incubator Shaker PST-60 HL plus

The PST-60 HL plus provides orbital shaking of the samples and has a heating platform for 2 x 96 wells microplates and a upper heating lid. The display indicates simultaneous set and actual time, temperature and shaking speed.

The PST-60 HL plus is ideal for a variety of cytochemistry, immunochemistry, biochemistry and research applications.



### Specification

Temperature regulation range:	25°C ..... 60 °C
Accuracy:	± 0,1 °C
Temp. Uniformity over the platform:	± 0,2 °C
Time of thermoblock heating from RT till 37°C	15 - 20 min.
Orbit :	2 mm
Speed regulation:	250 -1200 rpm
Rotating speed setting unit:	10 rpm
Timer with sound signal:	0 min - 96 hrs 59 min
Time setting unit:	1 min
Platform dimensions:	250 x 150 mm
Platform capacity :	2 x 96 wells microplates
Power (external) :	DC 12 V. 4,16 A
Size :	270 x 260 x 125 mm
Weight :	6,0 kg

Code	Description
BOE 8072000	Microplate Incubator Shaker PST-60 HL plus, AC 100-240V 50/60 Hz



## Thermo-Shaker for microtubes, TS-100

is a space saving, compact and cost-efficient solution for shaking and temperature control of small samples in 0,5 ml., 1,5 ml and 2,0 ml microtubes. The TS 100 is microprocessor controlled and has a display which indicated simultaneous set and actual time, temperature and shaking speed.

### Specification:

Orbit size :	2 mm
Temperature range:	25°C - 100 °C
Speed range :	250 - 1400 1/min
Rotating speed setting unit:	10 rpm
Timer with sound signal:	digital, 1 min - 96 h
Time setting unit:	1 min
Power (external) :	DC 12 V. 4, A
Platform size :	170 x 130 mm
Overall size :	205 x 230 x 130 mm
Weight ;	3,25 kg



SC-20

Code	Description
BOE 8064000	Thermo-Shaker for microtubes TS-100, without blocks, AC 100-240V 50/60 Hz
BOE 8064001	Interchangeable block, SC-18 for for 20x0,5 ml and 12 x 1,5 ml microtubes
BOE 8064002	Interchangeable block, SC-20 for for 20x1,5 ml

## **BioRotator RS-Multi**

is a intelligent rotator for soft mixing microtubes and vacutainers  
The BioRotator RS-Multi provides 3 types of motion, which can be used separately (except for vortex mode, which works in conjunction with reciprocal motion mode) and consecutively an a cycle:

### 1) Orbital motion



simple even circular motion - common type of motion used in Rotators. Adjustable speed from 5 to 30 rpm.

### 2) Reciprocal motion



vertical rotation with changing direction of rotation.  
Adjustable turning angle (from 15° to 90°, increment 15°) sets the limits for this type of motion. The speed is the same as set for rotational motion (from 5 to 30 rpm). In this type of motion there is a pause function (from 0 to 5 sec., increment 1 sec.) settable in the Vortex/pause mode.

### 3) Vortex motion

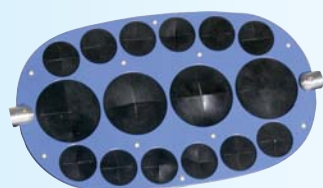


intensive mixing of samples at high speed with small amplitude - Vortex motion. The vortex mode is necessary for intensive mixing in and it is provided to decrease adhesion of solutions with tube surface, which is especially important for conducting microquantity research when the sample weight may be equal to the adhesion force. The Vortex Mode has a adjustable turning angle of 0° to 5° (increment 1°) and the timer has a pause function from 0 to 5 sec., increment 1 sec.)

#### Specification:

Standard platform Capacity:	22 (Microtubes and vacutainers)
Power (external):	12 V, 500 mA
Size:	310mm x 110mm x 175 mm
Weight:	1,6 kg

Code	Description
BOE 8073000	BioRotator Multi, with platform PRS-22 AC adapter 220V 50/60 Hz
BOE 8073100	BioRotator Multi, with platform PRS-22 AC adapter 110V 60 Hz
BOE 8073001	Platform PRS-4/12 (4x30 mm diam and 12x15 mm)



PRS-4/12



SR-16

## **Combi-Spin, FVL-2400**

this combination of a centrifuge and a vortex mixer for Micro test tubes is specially designed for the genetic engineering researches (especially for PCR-diagnostics experiments). It can be used also in biochemical clinical laboratories as well as microbiological and industrial biotechnology laboratories.

Combi-Spin ensures the possibilly for the simultaneous mixing and separation of the samples, using centrifuge and mixing modules located on the common spin-module.

#### Specification

Rotation speed (constant):	2400 rpm
Continuos operation time:	< 60 min.
Accessories included :	1 rotor for 12 x 1,5 ml 1 rotor for 12 x 0,5 and 0,2 ml
Overall size:	170 x 220 x 120 mm
Weight:	1,7 kg

Code	Description
BOE 8071000	Combi-Spin, FVL-2400 plus, 220V 50/60 Hz
BOE 8071100	Combi-Spin, FVL-2400 plus, 110V 60 Hz
BOE 8071001	SR-16, rotor for 2 x 8-well 0,2 ml microtest strips