

Compact Benchtop Thermomixer for all Applications Requiring Heating and/or Shaking

Biometra TS1 ThermoShaker

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- Interchangeable block modules for microtubes up to 2.0 ml
- Three instruments in one: thermomixer, mixer, incubator
- Temperature range: RT + 5 °C to 100 °C



The Biometra TS1 ThermoShaker is a variable speed and variable temperature microtube shaking incubator. Combining the incubation phase with mixing has multiple benefits: reduction of reaction process times, reduction of operator's workload and increasing efficiency of many procedures (e.g. transformation of bacterial cells).

Interchangeable block modules

Five interchangeable block modules are available to meet the needs of most laboratory procedures for 0.2 ml, 0.5 ml, 1.5 ml and 2.0 ml microtubes as well as 96-well microtiter plates (PCR plates).

Choosing the temperature calibration function allows the user to calibrate the unit over a range of approx. $\pm 6\%$ of the selected temperature to compensate differences in the thermal behavior of tubes or microplates from different manufacturers. The variable shaking speed from 250 to 1,400 rpm combined with the 2 mm shaking orbit and the soft start function allows gentle to vigorous mixing. The high quality quiet motor ensures regulated and reproducible rotation throughout the speed range. Shaking can be configured for continuous or timed operation with buzzer and automatic switch-off.

Features

- Shaker with variably adjustable speed and temperature
- Speed from 250 to 1,400 rpm
- Five exchangeable block modules
- Temperature range RT + 5 °C to 100 °C
- Multiple functions in one instrument: thermal shaker, incubator and shaker



Easy handling

The Biometra TS1 ThermoShaker is designed for easy operation. Temperature, speed and time are indicated on the two-line display for set and actual values both. Additionally, the low voltage power supply enables safe cold room or incubator operation.

Compact design

The Biometra TS1 is compact, has a flat profile and a small footprint of 205 mm x 230 mm x 130 mm (W x D x H) which takes up little space. In addition, the low-voltage power supply guarantees safe working in cold rooms or incubators.

Order information

| Order number | Description |
|--------------|--|
| 846-051-500 | Biometra TS1 ThermoShaker, 115/230V, EU plug, without block module |
| 846-051-590 | dto., 115/230V, with US plug |
| | Interchangeable block modules for Biometra TS1 ThermoShaker |
| 846-051-512 | Block module for TS1, 20 x 0.2 ml + 12 x 1.5 ml tubes |
| 846-051-513 | Block module for TS1, 20 x 0.5 ml + 12 x 1.5 ml tubes |
| 846-051-514 | Block module for TS1, 96 well microtiter plates or 96 x 0.2 ml tubes |
| 846-051-515 | Block module for TS1, 24 x 1.5 ml tubes |
| 846-051-516 | Block module for TS1, 24 x 2.0 ml tubes |

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Pictures: Analytik Jena AG
Subject to changes in design and scope of delivery as well as further technical development.