

Biometra T3000 Triple Block Thermal Cycler



Higher speed thanks to latest Peltier Technology.
Better programming due to completely revised software.
Bigger memory with program storage in individual subdirectories.

New Technology for a proven concept. The T3000 Thermocycler represents the technological advancement of one of the most successful thermocyclers in Biometras history. Following the approved triple block concept, the new T3000 has been equipped with the latest in Peltier Technology to achieve excellent heating and cooling rates. Also the software has been completely revised for improved user friendliness. High performance on compact space together with unlimited flexibility, that is the new T3000 Thermocycler.

Technical Specifications

| Instrument | T3000 Thermocycler 20 | T3000 Thermocycler 48 | T3000 Thermocycler Combi |
|----------------------------------|---|---|---|
| Block Formats | 3 blocks for 20 x 0.5 ml tubes each | 3 blocks for 48 x 0.2 ml tubes or 48 well microplates or 6 x 8er strips each | 3 combi blocks for 18 x 0.5 ml tubes* or 48 x 0.2 ml tubes or 48 well microplates or 6 x 8er strips |
| Block | Aluminium | Aluminium | Aluminium |
| Max Heating | 2.1 °C/sec | 2.2 °C/sec | 1.4 °C/sec |
| Max Cooling | 1.7 °C/sec | 2.0 °C/sec | 1.2 °C/sec |
| Temp Uniformity | +/- 0.5 °C | | |
| Temp Range | -3 °C to 99 °C | | |
| Control Accuracy | +/- 0.1 °C | | |
| Software | Program steps are easily entered in a spread sheet Options: Time increment, temperature increment, set ramping rate, direct mode (for use as thermoblock), program storage in 10 individual subdirectories | | |
| Memory | 10 individual subdirectories, total capacity of 1.500 program steps (equivalent to 250 average programs) | | |
| Display | High brightness CFL backlight graphical LC Display, viewing area 124 mm x 34 mm, resolution 256 x 64 dots | | |
| Auto restart after power failure | Yes | | |
| Heated Lid | High Performance Smart Lid (HPSL) | | |
| Lid Temperature Range | 30 to 99 °C | | |
| Power consumption | max. 420 Watt | | |
| Power Supply | 110, 230 Volt / 50-60 Hz | | |
| Noise emission | Very low | | |
| Interface | RS232 serial port | | |
| Dimensions (WxDxH) | 30 cm x 38 cm x 19 cm | | |
| Weight | 11.9 kg | | |

* capacity increases to 35 x 0.5 ml tubes by use of small cap tubes