

Thermal Cycler MiniTurbo

Description

The MiniTurbo thermal cycler was developed for researchers who need to perform PCR immediately after sample collection. Thanks to its high mobility and compactness, the MiniTurbo offers the same performance as benchtop thermal cyclers. Applications range from regular PCR to RT-PCR to incubation.

With outstanding functionality, the small MiniTurbo thermal cycler offers the same performance as conventional thermal cyclers on the market. Due to its specific features, the MiniTurbo is versatile and can be used for field research, in any PCR laboratory, and in educational institutions.



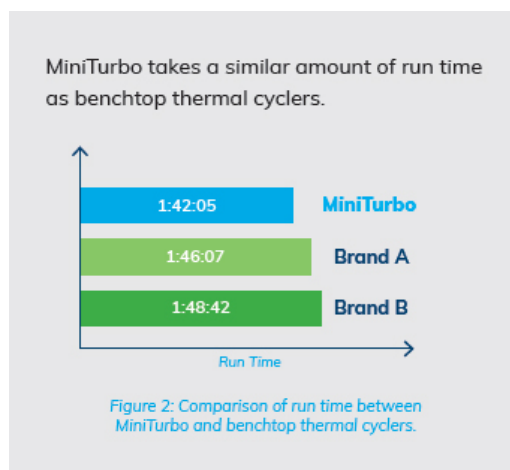
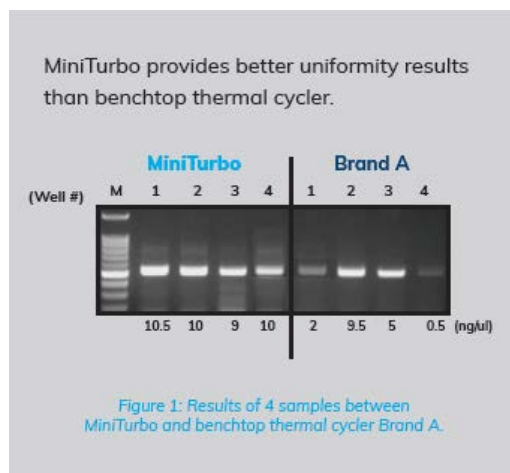
Specifications

- **Portable and Light Weight**
The compact size and 1 kg weight make MiniTurbo widely applicable for use in the field, laboratories, and classrooms.
- **Easy to Operate**
All-in-one button makes the operation simple.
- **Outstanding Performance**
Excellent accuracy and uniformity ($\pm 0.4^\circ\text{C}$) along with fast ramp rate allow MiniTurbo to provide the same quality performance as benchtop thermal cyclers.
- **Fully Programmable**
The open system is compatible with all programmed protocols.



MiniTurbo Cycler with Writer

Proven Temperature Control Efficiency



Thermal Cycler MiniTurbo



Technical Data

Sample Block	
Sample block	Fixed 2 x 4 well block, compatible with regular profile 0.2ml PCR tube
Sample volume	25 – 50 µl
Block Temperature	
Block temperature range	25 – 99 °C
Max. heating rate	5.5 °C/sec
Max. cooling rate	3.4 °C/sec
Temperature accuracy	± 0.4 °C
Temperature uniformity across block	± 0.4 °C
Software	
Number of cycles	Unlimited
Number of steps	Unlimited
Open system	Yes, apply to regular PCR, Reverse Transcription PCR, Incubation
Programming	Via PC, software and writer
General Technical Data	
Heated lid	Yes, fixed 105 °C (pre-heat to 60°C)
Footprint dimensions (H x W x D)	104 x 136 x 102 mm
Weight	1.0 kg (without power adapter)
Power supply	AC 100-240 V, 50/60 Hz, 120 W
Certification	CE, RoHS

Ordering Information

Order No.	112.6005
Basic unit	MiniTurbo with 8-well sample block
Option	MiniTurbo Writer for programming via PC
Option	Programmable protocol chip. The protocol chip stores protocols, eliminating the need for manual protocol entry. This prevents setup errors and ensures that the target nucleic acid is amplified correctly. Once the protocol chip is inserted into the port, the MiniTurbo automatically detects it.