



# MiniTurbo

## An Effective and Portable Thermal Cycler



### Portable and Light Weight

The compact size and 1 kg weight make MiniTurbo widely applicable for use in the field, laboratories, and classrooms



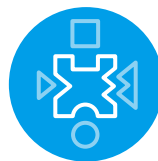
### Outstanding Performance

Excellent accuracy and uniformity ( $\pm 0.4\text{ }^{\circ}\text{C}$ ) along with fast ramp rate allow MiniTurbo to provide the same quality performance as benchtop thermal cyclers



### Easy to Operate

All-in-one button makes the operation simple



### Fully Programmable

The open system is compatible with all programmed protocols

# Proven Temperature Control Efficiency

MiniTurbo provides better uniformity results than benchtop thermal cycler.

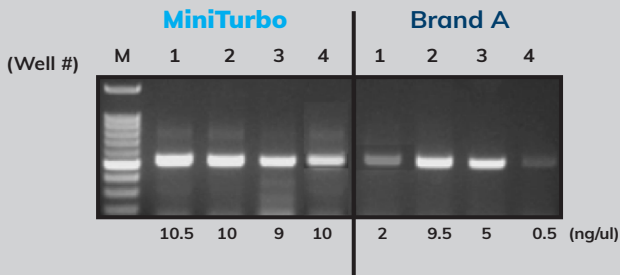


Figure 1: Results of 4 samples between MiniTurbo and benchtop thermal cycler Brand A.

MiniTurbo takes a similar amount of run time as benchtop thermal cyclers.

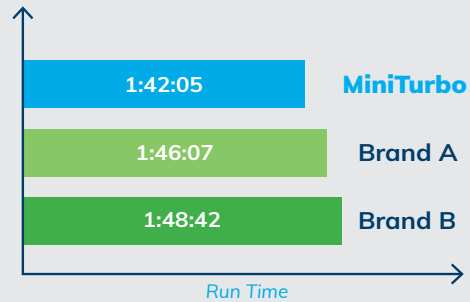


Figure 2: Comparison of run time between MiniTurbo and benchtop thermal cyclers.

## Specifications

### Sample Block

Sample Block Fixed 2x4 well block, compatible with regular profile 0.2ml PCR tube

### 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	Apply to regular PCR, Reverse Transcription PCR, Incubation
Programming	Via PC software and writer

### General

Heated Lid	Yes, fixed 105 °C (pre-heat to 60°C)
Footprint Dimensions (H x W x D)	104 mm x 136 mm x 102 mm
Weight	1.0 kg (without power adapter)
Power Supply	AC 100-240 V, 50/60 Hz, 120 W
Certification	CE, RoHS

Specifications are subject to change without prior notice.

## Ordering Information

TCMI-0810	MiniTurbo with 8-Well Sample Block
TCMI-a001	MiniTurbo Writer
TCMI-a002	Programmable Chip



ISO 13485

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Authorized Distributor