



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.

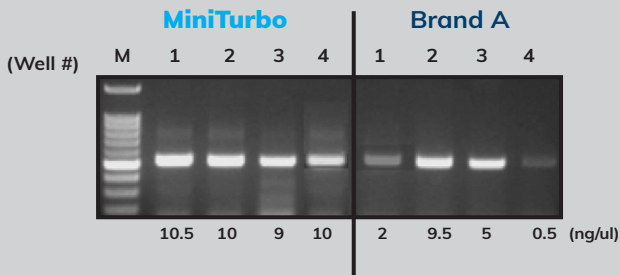


Figure 1: Results of 4 samples between MiniTurbo and benchtop thermal cycler Brand A.

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

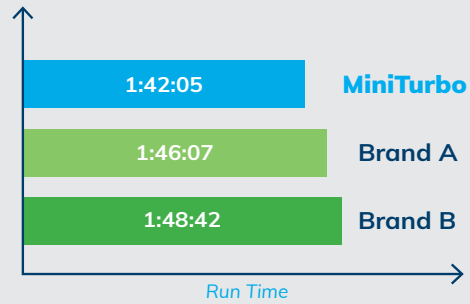


Figure 2: Comparison of run time between MiniTurbo and benchtop thermal cyclers.

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

Authorized Distributor

LABGIG

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