



# 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.

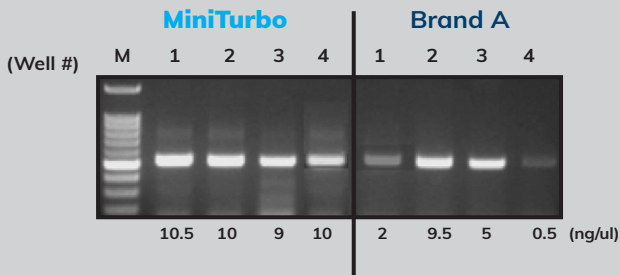


Figure 1: Results of 4 samples between MiniTurbo and benchtop thermal cycler Brand A.

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

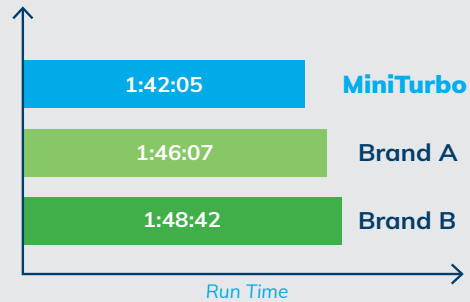


Figure 2: Comparison of run time between MiniTurbo and benchtop thermal cyclers.

## 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                  |



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