

# Thermal Cycler MiniTurbo

## Description

MiniTurbo portable PCR thermal cycler is an ideal choice for researchers who need to proceed PCR immediately after samples collection. Featuring high portability and compactness, openness, and usability, the cycler provides the same performance as conventional benchtop thermal cyclers in the market.

Its applications range from regular PCR, reverse transcription PCR, to incubation. These features make the MiniTurbo widely applicable for use in the field, laboratories and classrooms.

Order number: 112.6005



## Benefits

- 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 ( $\pm 0.4$  °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

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.

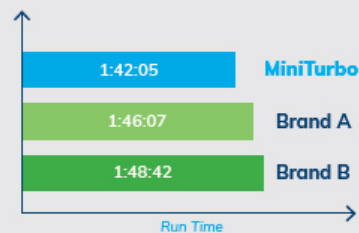
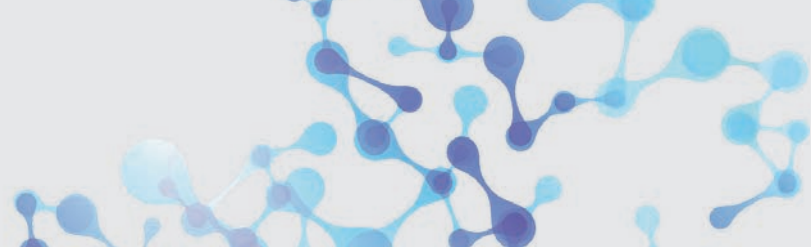


Figure 2: Comparison of run time between MiniTurbo and benchtop thermal cyclers.



# Mini-TurboCycler

## Specifications

| 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                             |  |
| 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

| Part number | Article                            |
|-------------|------------------------------------|
| 112.6005    | MiniTurbo with 8-well sample block |
| option      | MiniTurbo Writer                   |
| option      | Programmable chip                  |



MiniTurbo Cycler