



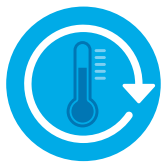
# TurboCycler<sup>LITE</sup>

## Economical Gradient Thermal Cycler with Versatile Capabilities



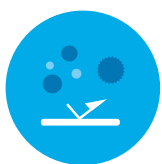
### Intuitive Operation Experience

A sensitive capacitive touch keypad and an intuitive graphic interface



### Advanced Slow-Ramp Temperature Control

The ramp rate can be precisely controlled down to 0.1 °C/sec to meet the need for the CRISPR/Cas related assays



### Easy Disinfection

The dust and aerosol proof keypad can be easily disinfected



### Gradient Optimization

The thermal gradient function allows fast PCR optimization for new experiment



### Fully Adjustable Lid Temperature

The temperature can be set between 35 and 120 °C for virtually any type of experiment including NGS pre-treatment



### Auto Restart

Power failure recovery keeps the experiment safe

# Specifications

## Sample Block

|               |                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Block  | Fixed 96-well, compatible with regular profile or low profile 0.2 ml PCR tube, strip, non-skirted, semi-skirted and full-skirted 96-well plate |
| Sample Volume | 10 - 100 µl                                                                                                                                    |

## Block Temperature

|                                     |                                                      |
|-------------------------------------|------------------------------------------------------|
| Block Temperature Range             | 4.0 - 99.9 °C                                        |
| Max. Heating Rate                   | 3.0 °C/sec                                           |
| Max. Cooling Rate                   | 2.0 °C/sec                                           |
| Temperature Accuracy                | +/- 0.3 °C                                           |
| Temperature Uniformity Across Block | +/- 0.5 °C                                           |
| Adjustable Ramp Rate                | High / Low                                           |
| Slow-Ramp Temperature Control       | Via temperature increment / decrement between cycles |

## Gradient Temperature

|                                 |                             |
|---------------------------------|-----------------------------|
| Gradient Direction              | Horizontal across the block |
| Gradient Temperature Range      | 30 - 99 °C                  |
| Gradient Temperature Difference | Max. span 24 °C             |

## Heated Lid

|                           |                    |
|---------------------------|--------------------|
| Temperature Setting Range | 35 - 120 °C or off |
| Temperature Accuracy      | +/- 1.0 °C         |

## Software

|                                 |          |
|---------------------------------|----------|
| Stored Program No.              | 200 sets |
| Registered User Folder No.      | 50 sets  |
| User Folder Password Protection | Yes      |

## General

|                                  |                                  |
|----------------------------------|----------------------------------|
| Display                          | Monochrome LCM, 240 x 128 pixels |
| Input Interface                  | Capacitive touch keypad          |
| Auto Restart after Power Outage  | Yes                              |
| Footprint Dimensions (H x W x D) | 225 mm x 245 mm x 415 mm         |
| Weight                           | 9.0 kg                           |
| Power Supply                     | VAC 100-240, 50/60 Hz, 500 W     |
| Certification                    | CE IVD, RoHS                     |

Specifications are subject to change without prior notice.

# Ordering Information

|           |                                                            |
|-----------|------------------------------------------------------------|
| TCLT-9610 | Gradient TurboCycler Lite with 96-well Sample Block (110V) |
| TCLT-9620 | Gradient TurboCycler Lite with 96-well Sample Block (220V) |
| TCST-a002 | 5.2 mm Compression Mat x 10 pcs                            |
| TCST-a003 | 1.0 mm Compression Mat x 10 pcs                            |

Authorized Distributor



ISO 13485

403-tcb/01-10



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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