



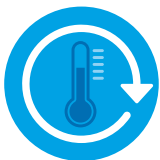
# TurboCycler LITE

## Economical Gradient Thermal Cycler with Versatile Capabilities



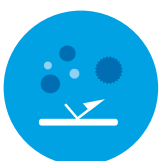
### Intuitive Operation Experience

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 $\mu$ l

## Block Temperature

Block Temperature Range	4.0 - 99.9 $^{\circ}$ C
Max. Heating Rate	3.0 $^{\circ}$ C/sec
Max. Cooling Rate	2.0 $^{\circ}$ C/sec
Temperature Accuracy	+/- 0.3 $^{\circ}$ C
Temperature Uniformity Across Block	+/- 0.5 $^{\circ}$ 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 $^{\circ}$ C
Gradient Temperature Difference	Max. span 24 $^{\circ}$ C

## Heated Lid

Temperature Setting Range	35 - 120 $^{\circ}$ C or off
Temperature Accuracy	+/- 1.0 $^{\circ}$ 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	AC 100-240 V, 50/60 Hz, 500 W
Certification	CE, 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



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