



# ***TurboCycler***<sup>TM</sup>

*Your everyday PCR partner*



## Intuitive

- High transparency, sensitive capacitive touchscreen, enables easy operation even with laboratory gloves on.
- Easy to understand, graphic-rich user interface, just plug, power on and go!
- User-friendly spinning wheel interface for temperature, time and cycle number adjustment.
- Built-in tools for Tm calculation, copy number conversion and mastermix preparation.
- The optional Wi-Fi module allows you to monitor your experiment remotely.



Graphic user interface for friendly operation



12-section gradient for quick experiment optimization



Wi-Fi connection for remote monitoring of the run status

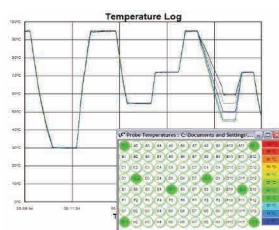


## Performance

- Fast heating rate up to 5.5°C/sec and excellent temperature accuracy and uniformity.
- 12-segment gradient across the block for fast experiment optimization.

## Reliable

- Proven Peltier technologies for trouble-free heating / cooling performance.
- Multi-probe temperature acquisition system is used for calibration and QC process.



## Stylish

With ergonomic design for friendly operation

Elegant alloy handle  
for easy lid opening /  
closing with extended  
durability



Auto-pressure regulated heated lid with  
air-tight gaskets to prevent condensation

Gradient differential temperature  
range: 1–24°C

7" color LCD with capacitive  
touchscreen

USB for protocol portability

Optional Wi-Fi module

## Compact

Front and back venting allows for side-by-side  
placement of the TurboCycler, save your precious  
bench top space.



Your everyday PCR partner

# TurboCycler™

## Specification

<b>Sample Block</b>	
96 well, Gradient Block	Compatible with regular profile or low profile 0.2 ml PCR tube, strip, non-skirted, semi-skirted and full-skirted 96-well plate
<b>Block Temperature</b>	
Block Temperature Range	4.0 to 99.9 °C
Max. Heating Rate	5.5 °C/sec.
Max. Cooling Rate	3.3 °C/sec.
Temperature Accuracy	+/- 0.3 °C
Temperature Uniformity Across Block	+/- 0.3 °C
Adjustable Ramping and Cooling Rate	Yes, low /high
<b>Gradient Temperature</b>	
Gradient Direction	Horizontal across the block
Gradient Temperature Range	30 ~ 99 °C
Gradient Temperature Difference	Max. span 24 °C
<b>Software</b>	
Portability of Protocols	Save and transfer to computer or TurboCycler via USB flash drive
Stored Program No.	> 500 sets
Registered User Folder No.	100 sets
User Folder Password Protection	Yes
Run Status Report	Yes, HTML output and transfer via USB flash drive
Real-time Temp. Profile Export	Yes, CSV output and transfer via USB flash drive
Tools	TM calculator, Copy number calculator, Mastermix preparation calculator
<b>General</b>	
Display	7" color LCD with capacitive touch panel
Data Ports	1 USB A front port for USB flash drive
Heated Lid	Yes, fixed 105 °C, 120 °C and off
Auto Restart after Power Outage	Yes
Remote Monitoring via Wi-Fi	Optional
Footprint Dimensions (H x W x D)	225 mm x 245 mm x 415 mm
Weight	10 kg
Power Supply	VAC 100-240, 50/60 Hz, 750 W
Standard	CE IVD, RoHS

\*Specifications are subject to change without prior notification.

## Order Information

TCST-9610	Gradient TurboCycler with 96-well Sample Block (110V)
TCST-9620	Gradient TurboCycler with 96-well Sample Block (220V)
TCST-a001	Wi-Fi Upgrade Module
TCST-a002	Compression Mat x 10 pcs



4F, No. 31, Sec. 2, Chang'an E. Road,  
Zhongshan Dist., Taipei City, 10456, Taiwan, R.O.C.  
Tel: +886-2-8219-1206 Email: sales@blue-raybio.com  
Fax: +886-2-8219-1205 Web: www.blue-raybio.com



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