

Innovative Life Sciences Tools



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toroivd® One Test
One Health



TOROHOME®(4 wells) and
TOROUNIT®(16 wells) qPCR Cycler

TOROUNIT® qPCR Cycler Plus(16 wells)



Features:

* All images are for reference only, actual products might differ from the pictures above.
* Technical specifications subject to change without notice.

- Ideal for nucleic acid detection and genotyping applications
- Supports both scientific research and clinical disease diagnostics
- Portable design suitable for mobile or benchtop operation
- User-friendly interface suitable for both general users and professionals
- Offers both preset general detection programs and advanced custom settings
- Compatible with TOROIVD POCT modules and dedicated reagent kits for rapid testing
- Capable of real-time quantitative PCR and melting curve analysis
- Built-in user guidance and one-click start features to streamline workflows
- Multichannel fluorescence detection capability (e.g., FAM, ROX, VIC)



0.1/0.2mL 8-Strip qPCR Tubes

- Suitable for all commonly used qPCR instruments.
- Sterile.
- Optically clear caps ensure reliable signal detection.
- Ultra-thin, uniform walls enable precise thermal transfer.
- Tight lid sealing minimizes evaporation.

Specification

Cat No.	TOROHOME TOROUNIT	TOROUNIT® qPCR Cycler Plus
Basic Performance		
Dimensions	247×188×133mm	320×240×177mm
Weight (Bare Machine)	2.6kg	4.5 kg
Power Supply	DC 15V 9.6A	100-240V, 50-60Hz
Noise Level	≤ 50dB	45dB
Communication Interface	TypeA	USB
PCR cycler Performance		
Sample Volume	10 ~ 60 μ L	25 ~ 120 μ L
Compatible Consumables	0.2ml single tubes or 8-strip tubes with fully transparent caps and bodies.	
Maximum Heating Rate	≥ 8.0°C /s	≥ 4.5°C/s
Maximum Cooling Rate	≥ 5.5°C/s	≥ 3.8°C/s
Temperature Accuracy	≤ 0.5°C	±0.2°C
Detection Reproducibility	Cq CV≤2%	
Fluorescence Detection Performance		
Light Source	High-brightness LED	
Detector	ultra-high sensitivity CMOS Photosensitive chip	PD
Channel I	Excitation: 523nm Detection: 564nm Dye of probe:VIC,HEX,TET,JOE	Excitation: 525nm±10nm Detection: 570nm±10nm
Channel II	Excitation: 571nm Detection: 612nm Dye of probe: ROX,Texas Red	Excitation: 570nm±10nm Detection: 620nm±10nm
Channel III	N/A N/A	Excitation: 470nm±10nm Detection: 520nm±10nm Dye of probe: FAM,SYBR Green I,Eva Green

