

Super Multi-block Thermal Cycler T20D/T30D



T20D
(With Dual-block)
Super Gradient

T30D
(With Tri-block)
Super Gradient

COMPACT EFFICIENT MULTI-PURPOSE

INNOVATIVE PELTIER TECHNOLOGY

1

2 or 3 individual blocks allowing simultaneous operation of different protocols

2

Each block is free to set a Super temperature gradient

3

Latest Peltier technology, maximum ramp rate 7.5°C/s

4

10.1" TFT Full touch screen, freely adjustable, wide viewing angles

Model	T20D(Dual-Block Super Gradient)	T30D(Tri-Block Super Gradient)
Sample Block	2 blocks 3*16wells	3 blocks 2*16wells
	0.2ml PCR tube, strip with flat & dome cap	
Heating & Cooling Technology	New generation Peltier technology allow 1,000,000 cycles	
Display	10.1" Full Color Touch Screen with adjustable angle, and real-time graphical display	
Language	English	
USB flash drive Function	Unlimited storage of protocols with USB flash drive;Back-up user's data	
Communications	USB 2.0 & LAN	

Temperature

Block Temp. Range	0°C~105°C
Max. Heating Rate	7.5°C/s
Max. Cooling Rate	6°C/s
Temp. Uniformity	≤±0.2°C
Temp. Accuracy	≤±0.1°C
Display Resolution	0.1°C
Ramping Rate Adjustable	0.1~5°C/s

Gradient

Gradient Accuracy	≤±0.1°C
Uniformity	≤±0.2°C
Gradient Range	30°C~105°C
Temp. Differential Range	The Temp.difference is 0.1-25°C
Display of Gradient Temp	3-zone Temp.can be set independently for each individual block, better than traditional gradient function
	2-zone Temp.can be set independently for each individual block, better than traditional gradient function

Software

Max. number of Protocols	Max. 15,000 programs onboard, unlimited storage of protocols with USB flash drive
Max. Step	30 steps, multiple nesting cycles available
Max. Cycle	100 Typical Cycles (multiple nesting allows 10,000 cycles)
Time Increment/decrement	1-600 sec, available for Long PCR
Temp. Increment/decrement	0.1-10°C, available for Touchdown PCR
Auto Pause & Auto Restart	Yes
Multi-user log in	Password-based authentication protect personal PCR protocols
Hold at 4°C	A below ambient temp. incubation allow PCR products storage overnight
Program Wizard	Pre-program template make the editing very easy through modify several parameters
Running Report	Provide full review of previously run protocols
PC Connection(Extra Option)	Remote PC control to manage no more than 50 units across the LAN network

Heat Lid

Lid Temp. Range	30°C~112°C
Open Method	Innovative TOP-OPEN™ technology, with even pressure of heat lid
Auto Shut-Off	Lid will shut off automatically when protocol finish or the block Temp. falls below set Temp

Other Features

Power Supply	100V ~ 240V, 50-60Hz
Consumption	750W
Dimension (L×W×H)	375×270×277mm
Net Weight	13KG
Certificate	ISO13485:2016, ISO9001:2015, CE

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