

T20 / T20D Dual-block Thermal Cycler

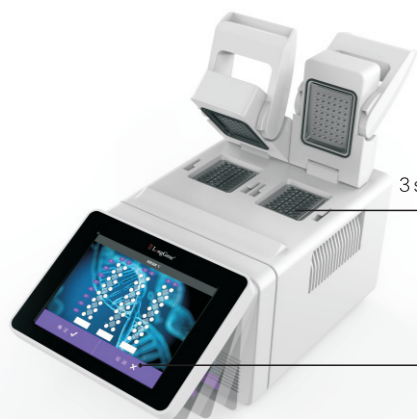
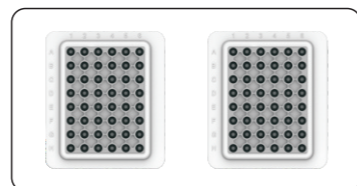
T20



2 individual sample blocks allow 2 protocols running independently

10" TFT Full Color touch screen, with wide viewing angles

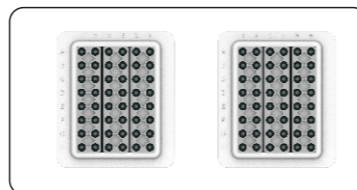
T20 Sample Block Layout



2 independent sample blocks, 3 super gradient temperatures can be set for each block

10" TFT Full Color touch screen, with wide viewing angles

T20D Sample Block Layout



T20D

- ◎ 2 individual sample blocks allowing 3 different protocols to run at the same time
- ◎ New generation Peltier technology, allowing 1,000,000 run cycles
- ◎ New generation Peltier technology, with ramping rate more than 7.5°C/sec
- ◎ New lever-style heat lid to lock up the lid pressure automatically, ensuring even pressure during running of protocol

Model	T20 (Dual-Block)	T20D (Dual-Block Super Gradient)
Sample Block	2 blocks 48 wells	2 blocks 3*16 wells
Heating & Cooling Technology	0.2ml PCR tube, strip with flat & dome cap New generation Peltier technology allow 1,000,000 cycles	
Display	10" 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	
Communication Ports	USB 2.0 & LAN	
TEMPERATURE		
Block Temp. Range	4°C~99.9°C	
Max. Heating Rate	7.5°C/s	
Max. Cooling Rate	6°C/s	
Temp. Uniformity	≤ ± 0.2°C (at 90°C)	
Temp. Accuracy	≤ ± 0.2°C (at 90°C)	
Display Resolution	0.1°C	
Ramping Rate Adjustable	0.1~5.0°C	
Mode of Temp. Control	Block & Sim-tube mode	
GRADIENT		
Gradient Accuracy	≤ ± 0.1°C	
Uniformity	Wells of Same Line Uniformity ≤ ± 0.2°C	16 Wells Uniformity ≤ ± 0.2°C
Gradient Range	30°C ~ 99.9°C	
Temp. Differential Range	The Temp. difference is 1-25°C; the maximum Temp. difference up to 50°C when integrating 2 blocks.	
Display of Gradient Temp.	Each individual block has 8 gradient Temp.	3-zone Temp. can be set independently for each individual block. better than traditional gradient function
SOFTWARE		
Max. Number Of Programs	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	1-120 sec, available for Long PCR	
Temp. Increment/decrement	0.1-10.0°C, available for Touchdown PCR	
Auto Pause & Auto Restart	Yes	
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 perviously run protocols	
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 the block Temp. falls below set Temp.	
OTHER FEATURES		
Power	Global switch power supply : 100V ~ 240V, 50-60Hz	
Consumption	750W	
Dimensions (L x W x H)	375 x 270 x 277mm	
Net Weight	13 KG	

