

NeoCycler 600 - Super Gradient Thermal Cycler

NB-12-3026

NeoCycler 600 - Super Gradient Thermal Cycler

- 1、 Six different annealing temperatures for each block.
- 2、 Better uniformity than traditional gradient cycler.
- 3、 Max.temp.differential range 25°C between two adjacent block.
- 4、 New generation peltier technology, with ramping rate at 5.5°C/sec.
- 5、 Download & upgrade LongGene software via flash drive.



Product parameters:

Model	NeoCycler 600
Sample Block	6 zones 4x4wellsx0.2ml, 6 annealing temp. can be accurately set simultaneously
Tube Optional	0.2ml PCR tube/Strip, 96-well PCRplate
Heating & Cooling Technology	New generation Peltier technology allow 1,000,000 cycles
Display	7" Color Touch Screen, real-time graphical display
Language	English
USB flash drive Function	Unlimited storage of protocols with USB flash drive
Communication Ports	2 USB & 1 LAN
Venting System	Front air in & back air out, two thermal cyclers can be placed side by side

TEMPERATURE	
Temp.Range	0°C – 105°C
Max.Heating Rate	5.5°C/S
Max.Cooling Rate	4.5°C/S
Temp. Uniformity	≤±0.15°C(at90°C)
Temp. Accuracy	≤±0.15°C(at90°C)
Display Resolution	0.1°C
Ramping Rate Adjustable	0.1 – 4°C/S
Mode Of Temp.Control	Sim – tuba & Block mode
GRADIENT	
Gradient Accuracy	≤±0.15°C(at90°C)
16 Wells Uniformity	≤±0.2°C(at90°C)
Gradient Range	0°C – 105°C
Temp.Differential Range	1-25°C between two adjacent zones
Gradient Capability	Six temperatures can be set independently, better than traditional gradient function
HEAT LID	
Height Of Heat Lid	Steplessly adjustable lid, accommodates PCR tubes, strips & plates
Lid Feature	Innovative“TOP-OPEN“technology,protection from over-pressure
Heat Lid Temp.Range	30°C – 112°C
Auto Shut-off	Lid will shut off automatically when the block Temp. falls below set Temp
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, max 10,000 nesting 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	With Password-based authentication to protect personal protocols
Tm Calculator	Automatically calculates the melting & annealing Temp.of a pair of primers
Hold At4°C	A below ambient temp. incubation allow PCR products storage overnight
Running Report	Provide detailed reports of previously run protocols
PC Connection	Remote PC control to manage multiple units across the LAN network
OTHER FEATURES	
Consumption	600w
Dimensions(L×W×H)	362×256×255mm
Net Weight	8KG