

## NeoCycler 600 - Super Gradient Thermal Cycler

#Cat: NB-12-3026

- 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 NeoBiotech software via flash drive.



### Product parameters:

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

<b>TEMPERATURE</b>	
<b>Block Temp range</b>	0°C – 105°C
<b>Max heating rate</b>	5.5°C/S
<b>Max cooling rate</b>	4.5°C/S
<b>Temp Uniformity</b>	≤±0.15°C (at 90°C)
<b>Temp Accuracy</b>	≤±0.15°C (at 90°C)
<b>Display Resolution</b>	0.1°C
<b>Ramping rate adjustable</b>	0.1 – 4°C/S
<b>GRADIENT</b>	
<b>Gradient Accuracy</b>	≤±0.15°C (at 90°C)
<b>16 Wells Uniformity</b>	≤±0.2°C (at 90°C)
<b>Gradient Range</b>	0°C – 105°C
<b>Temp Differential Range</b>	1-25°C between two adjacent zones
<b>Gradient Capability</b>	Six temperatures can be set independently, better than traditional gradient function
<b>HEAT LID</b>	
<b>Height of heat lid</b>	Steplessly adjustable lid, accommodates PCR tubes, strips & plates
<b>Lid feature</b>	Innovative “TOP-OPEN “technology, protection from over-pressure
<b>Heat lid temp range</b>	30°C – 112°C
<b>Auto Shut-off</b>	Lid will shut off automatically when the block Temp. falls below set Temp

<b>SOFTWARE</b>	
<b>Max. Number of Programs</b>	Max.15, 000 programs onboard, unlimited storage of protocols with USB flash drive
<b>Max. Step</b>	30 Steps, multiple nesting cycles available
<b>Max. Cycle</b>	100 Typical Cycles, max 10,000 nesting cycles
<b>Time Increment/decrement</b>	1-600 sec, available for Long PCR
<b>Temp Increment/decrement</b>	0.1-10°C, available for Touchdown PCR
<b>Auto Pause/ Auto Restart</b>	Yes
<b>Multi-user Log In</b>	With Password-based authentication to protect personal protocols
<b>Tm Calculator</b>	Automatically calculates the melting & annealing Temp of a pair of primers
<b>Hold At 4°C</b>	A below ambient temp. incubation allow PCR products storage overnight
<b>Running Report</b>	Provide detailed reports of previously run protocols
<b>PC Connection</b>	Remote PC control to manage multiple units across the LAN network
<b>OTHER FEATURES</b>	
<b>Consumption</b>	600w
<b>Dimensions (L×W×H)</b>	362×256×255mm
<b>Net Weight</b>	7.3KG