NeoCycler 100 - Non-Gradient Thermal Cycler

Features :

1. Newest Generation Peltier-based Technology, more Steady, Reliable and Durable
2. 7" Color Full Touch Screen, Graphical Display of Protocols
3. Effortlessly Interchangeable Reaction Modules that Swap in Seconds without Tools.
4. Unlimited storage of Protocols with USB Flash Drive
5. Update software with USB Flash Drive

The NeoCycler 100 is provide with a 9677 / 96 module.
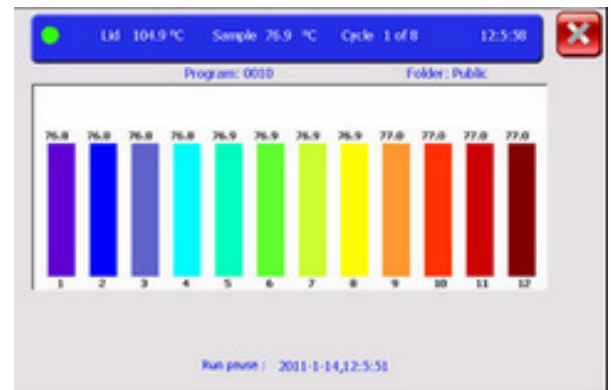
Optional modules (Without Gradient)

Cat#	Model	Capacity
NB-12-3005	9677 / 96 non-Gradient	96 wells×0.2ml+77 wells×0.5ml
NB-12-3007	Multi-purpose Non-Gradient	9677 Module + In-situ Adapter
NB-12-3008	384 Module Non-Gradient	384 wells

Temperature

Block Temperature Range: $0°C \sim 100°C$
Max. Ramping Rate: $5°C/sec$
Temperature Uniformity: $\leq \pm 0.2°C$ (at 95°C)

Heat Lid

Innovative Designed Two-in-One (Open/Lift) Lid
Auto Shut-off Heating Function of Lid at Low Temperature (<30°C) of block
Steplessly Adjustable Lid, accommodates all kinds of PCR tubes,strips and plates

Software

Max.30 Steps
100 Typical Cycles, max. 60,000 nesting cycles
Time/Temp. Increment/Decrement is available for performing Long PCR and Touchdown PCR
Auto Pause; Auto restart after power failure
An Infinite incubation time at low temperature for overnight working
Multi-user log in with password-based authentication prevents from view, copy and alteration of protocols, ensure user's privacy and safety

Tm calculator automatically calculates the melting and annealing temperature through input two primer sequences, greatly improve work efficiency
Program wizard provides a quick method for creating PCR protocols in a few steps
Display recent run 10 programs for easy access
Get detailed running report, providing objective and precise information for the whole experiment
Effortlessly Combine up to 50 units of A100/200 for remote control and management by computers

Other Features

Wide Range Power Supply 85V-265V, 47-63Hz
Communication Ports: USB2.0, LAN and RS232
Power Consumption: Max.600W
Certificate: ISO 9001:2000, CE, RoHS
Dimension (L×W×H) : 362×256×255mm
Net Weight: 7.3kgs

Interchange Block:

Cat#	Description
NB-12-3003	NeoCycler 100 - Non-Gradient Thermal Cycler (with 9677 / 96 module)