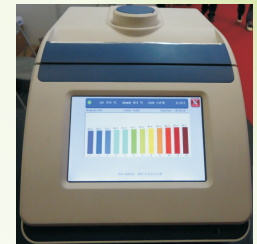


THERMAL CYCLER GRADIENT WITH TOUCH SCREEN RIC-316

Newest Generation Peltier-based Technology, more Steady, Reliable and Durable
7" **Color** full Touch Screen, Graphical Display of Protocols Effort-less Interchangeable
Reaction Modules that Swap in Seconds without Tools.
Unlimited storage of Protocols with USB Flash Drive

Optional Module:

96wells×0.2ml
96wells×0.2ml+77wells×0.5ml
48wells×0.2ml+48wells×0.5ml
108wells×0.2ml+88wells×0.5ml
384wells
Multi-purpose Module: 96wells×0.2ml + In-situ Adapter



Gradient:

Column Uniformity: Less than $\pm 0.3^{\circ}\text{C}$ (at 95°C)
Temp. Differential Range: Max. 30°C
Gradient Capability: 12 Columns (Vertical)

Temperature:

Block Temperature Range: $0^{\circ}\text{C} \sim 100^{\circ}\text{C}$
Max. Ramping Rate: $4^{\circ}\text{C}/\text{sec}$
Temperature Uniformity: Less than Equals to $\pm 0.2^{\circ}\text{C}$ (at 95°C)

Heated Lid:

Innovative Designed Two-in-One (Open/Lift) Lid
Auto Shut-off Heating Function of Lid at Low Temperature ($<30^{\circ}\text{C}$) of block
Step-less Adjustable Lid, accommodates a wide range of PCR tubes and plates

Software:

Max.30 Steps, multiple nested cycle available
100 Typical Cycles, multiple nested 60000 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, free from worry of copy and alteration of protocols by others, ensure user's privacy and safety
Tm calculator: automatically calculates the melting and annealing temperature with 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 precise data support for analyzing of experimental results
Effortlessly Combine up to 50 units of RIC-315/316 for remote control and management by computers



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