

Prime

The Prime instrument is a full sized model that will become your reliable laboratory partner for routine PCR.



- Fast ramp rate of up to 3.4°C/sec
- A versatile, fully interchangeable block system allows exchange in a matter of seconds without the need of tools.
- A USB port enables the transfer of programs between instruments and temperature logs to your PC
- Gradient cycling is available directly using the PrimeG instrument or by upgrading the Prime unit.



Specifications

	Prime	PrimeG
Sample capacity: 0.2ml	96	96
Sample capacity: 0.5ml	60	60
Sample capacity: 384 well	Yes	Yes
Maximum heating rate	3.4°C/s	3.4°C/s
Block temperature range	4°C to 100°C	4°C to 100°C
Block uniformity at 55°C	<±0.3°C	<±0.3°C
Temperature accuracy at 55°C	<±0.25°C	<±0.25°C
Gradient	Can be gradient enabled	Yes
Maximum Gradient	n/a	29°C (19°C for 384)
Minimum Gradient	n/a	1°C
Type	8 peltier element/block	8 peltier element/block
Selectable heated lid temperature	100°C to 115°C or off	100°C to 115°C or off
Heated lid pressure	Adjustable, dependent on consumables	Adjustable, dependent on consumables
Program interface	5.7" VGA colour touchscreen	5.7" VGA colour touchscreen
Maximum number of programs stored	1000	1000
Data transfer	USB port	USB port
Auto re-start on power failure	Yes	Yes
Dimensions (w x d x h), mm	240 x 420 x 240	240 x 420 x 240
Weight, kg	9.4	9.4
Voltage	100-230V, 50-60Hz	100-230V, 50-60Hz
Power	450W	450W



Gradient upgradability

Prime units can be upgraded to achieve gradient capability. The gradient function can be enabled at any time without the need to change a block. The simple process is installed via USB.

Ordering Information

Description	Product Code
Prime thermal cycler, 96 x 0.2ml	5PRIME/02
Prime thermal cycler, 60 x 0.5ml	5PRIME/05
Prime thermal cycler, 384 well plates	5PRIME/384
Prime gradient upgrade	5PRIMEX/USB
PrimeG gradient thermal cycler, 96 x 0.2ml	5PRIMEG/02
PrimeG gradient thermal cycler, 60 x 0.5ml	5PRIMEG/05
PrimeG gradient thermal cycler, 384 well	5PRIMEG/384

Interchangeable blocks

This versatile, fully interchangeable block system allows exchange in a matter of seconds without the need of tools

Description	Product Code
Prime block, 96 x 0.2ml	5PRIME/02/B
Prime block, 60 x 0.5ml	5PRIME/05/B
Prime block, 384 well	5PRIME/384/B

Purchase of this instrument conveys a limited, non-transferable immunity from suit for the purchaser's own internal research and development and applied fields other than human in vitro diagnostics under non-real-time thermal cycler patents of Applied Biosystems LLC.

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