

⁵Prime and ⁵PrimeG Thermal Cyclers



The ⁵Prime instrument is a full sized model that will become your reliable laboratory partner for routine PCR. 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 an unlock code.

- Fast ramp rate of up to 3.4°C/sec
- A wide range of blocks available including 0.2ml, 0.5ml, 384-well and Combi-Block* options
- 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

*Techne have developed a new Combi-block for the Prime range of thermal cyclers. This provides unrivalled flexibility with ability to accommodate 33 x 0.2ml tubes and 33 x 0.5ml tubes, in 6 rows and 11 columns. Prime Combi-Block cyclers are available with or without a temperature gradient, which is upgradable later.

- Flexible 0.2ml and 0.5ml
- Gradient capability
- Total reliability

Technical Specifications

Model	⁵ Prime	⁵ PrimeG
Sample capacity 0.2ml	96 (33 in Combi-Block)	
Sample capacity 0.5ml	60 (33 in Combi-Block)	
Accepts 384 well	Yes	
Maximum heating rate	3.4°C/s	
Block temperature range	< ±0.3°C	
Block uniformity at 55°C	< ±0.3°C	
Temperature accuracy at 55°C	< ±0.25°C	
Gradient:	Can be gradient enabled	Yes
Maximum Gradient	n/a	29°C for 96 & 60 25°C for Combi-Block, 19°C for 384
Minimum Gradient	n/a	1°C
Type	8 Peltier element/block	
Selectable heated lid temperature	35°C to 115°C or off	
Heated Lid pressure	Adjustable, dependent on consumables	
Program interface	5.7 VGA colour touchscreen	
Maximum number of programs stored	1000	
Data transfer	USB port	
Auto re-start on power failure	Yes	
Dimensions (WxDxH), mm	240 x 420 x 240	
Weight, kg	9.4	
Voltage	100-230V, 50-60Hz	
Power	450W	

Cat. No.	Code	Description
TC/65370	5PRIME/02	Prime thermal cycler, 96 x 0.2ml
TC/65372	5PRIME/05	Prime thermal cycler, 60 x 0.5ml
TC/65374	5PRIME/384	Prime thermal cycler, 384 well
TC/65376	5PRIME/C	Prime thermal cycler, Combi-Block
TC/65378	5PRIMEX/USB	Prime gradient upgrade
TC/65380	5PRIMEG/02	PrimeG gradient thermal cycler, 96 x 0.2ml
TC/65382	5PRIMEG/05	PrimeG gradient thermal cycler, 60 x 0.5ml
TC/65384	5PRIMEG/384	PrimeG gradient thermal cycler, 384 well
TC/65386	5PRIMEG/C	PrimeG gradient thermal cycler, Combi-Block



TC/653



TC/65372



Well plates

Notes