



TC/20000



TC/20004

Thermal-cyclers, PCRmax Alpha

The PCRmax Alpha cyclers are developed to deliver not only the best quality data you can expect from PCRmax but also to innovate and exceed the high standards expected by the community.

- USB connectivity
- Android driven 7" tablet interface - Quad core speed and excellent connectivity and feel
- Active sample cooling - For sharper amplification and minimal non-specific amplification
- Programme Wizard - Generate a protocol specific to your sequence, template source and amplicon length in seconds.

Technical Specifications

Format	Single or double block
Block option	96 or 384 well format
Maximum heating rate	3.4°C per second
Block temperature	10°C to 100°C (4°C final hold) uniformity at 55°C ±0.3°C
Temperature accuracy at 55°C	±0.25°C
Gradient	Yes (on all formats) Max 29°C to min 1°C
Maximum number of programmes stored	1000
Type	8 Peltier elements
Adjustable heated lid temperature	35°C to 115°C or off
Weight / dimensions (LxWxH) in mm	11Kg / 430 x 260 x 200
Power	100 - 230Vac, 50-60Hz, 450W

Cat. No.	Code	Description
TC/20000	AC196	Thermal-cycler, Alpha PCRmax, 1 chassis with single 96 well block
TC/20002	AC1384	Thermal-cycler, Alpha PCRmax, 1 chassis with single 384 well block
TC/20004	AC296	Thermal-cycler, Alpha PCRmax, 2 chassis with 2 x 96 well blocks
TC/20006	AC2384	Thermal-cycler, Alpha PCRmax, 2 chassis with 2 x 384 well blocks
TC/20008	AC2196	Thermal-cycler, Alpha PCRmax, 2 chassis with one 96, and one 384 well blocks

Thermal cyclers, PCRmax Eco48 real time PCR system

- Fastest block-based real-time PCR system with the ability to run 40 cycles in 20 minutes (or less when optimised).
- The PCRmax Eco 48 is an open platform that can utilise any chemistry, dye or PCR reagent.



TC/20020

Technical Specifications

Volume per well	Validated for 5 to 20µl
Detection sensitivity	1 copy
Temp range & uniformity	35 to 100°C ±0.1°C
Average ramp rate	5.5°C/sec
Thermal system	48-well, Proprietary hollow silver block, Peltier-based system with conductive fluid
Consumables	48-well custom plates and optical adhesive seals
Optical system	Dual LED excitation (452–486 nm and 542–582 nm). CCD camera 4 emission filters (505–545nm, 562–596nm, 604–644nm, 665–705nm)
Calibrated dyes	SYBR®, FAMTM, HEXTM, ROXTM, Cy®5. Additional dyes within the wavelength range compatible with Eco 48 filters are supported with no additional calibration required for implementation
Passive reference dyes	Use of ROXTM is supported, but optional

Cat. No.	Code	Description
TC/20020	Eco48	Thermal-cycler, Eco48 real time PCR system with software and loading dock
TC/20022	Ecoplate48	Plates for Eco48 Thermal-cycler
TC/20023	Ecoséal48	Seals for Eco48 Thermal-cycler
TC/20024	Ecodock48	Plate loading dock, spare for Eco48 Thermal-cycler



TC/20022 & TC/20023