

Thermal Cyclers

Thermal Cycler, TC-3000G

The world's smallest gradient cycler, the TC-3000G will hold half a 96-well plate, in a horizontal format so that it offers 8 columns for annealing temperature optimisation and 6 rows for optimising reagents such as MgCl₂ and primer concentrations. Annealing temperatures can be optimised over a 15°C gradient between the temperatures of 20 and 80°C.

All the features of the TC-3000 and TC-3000X plus...

Gradient block

A gradient of up to 15°C between the temperatures of 20 and 80°C can be set, allowing any protocol to be optimised within a single experiment.

New software

Enables a gradient to be added to any temperature step of the program.

Gradient calculator

The gradient calculator function displays the temperature for each of the 8 columns, ensuring easy replication of thermal conditions.

Technical Specification

	TC-3000G
Block formats	
0.5ml capacity	48
0.2ml capacity	30
Block Temperature	
Gradient range	20°C to 80°C
Maximum gradient	15°C
Maximum ramp rate	3.3°C/sec
Block uniformity at 50°C	±0.2°C
Temperature range	4°C to 99°C
Peltier element/block	6
Heated Lid	
Selectable heated lid temperature	100°C to 115°C
Heated lid enable/disable	Yes
Programming	
No. of programs	80
Programming display	4-line alphanumeric
Auto restart on power failure	Yes
Dimensions L x W x H	330 x 170 x 190
Voltage	90-260 V, 50-60Hz
Power	230W
Shipping Weight	6kg



TC-3000G



Ordering Information

Product Code	Description
FTC3G/02	TC-3000G gradient thermal cycler for 48 x 0.2ml microtubes, 100V/115V/230V
FTC3G/05	TC-3000G gradient thermal cycler for 30 x 0.5ml microtubes, 100V/115V/230V
FTC3G/02/B	TC-3000G gradient block for 48 x 0.2ml microtubes
FTC3G/05/B	TC-3000G gradient block for 30 x 0.5ml microtubes



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.