

Labcycler 48 basic or gradient Thermal cyclers



049975

- ▶ Available in basic or gradient version, with 48-well aluminium or gold-plated silver block (included)
- ▶ TFT touch screen
- ▶ 8-zone gradient depending on model
- ▶ Heating and cooling rate up to 5 °C/second depending on the model
- ▶ Time and temperature decrement or increment possible (up to ± 9.99°C and ± 99.99 seconds)
- ▶ Access code protection for up to 64 users
- ▶ Low energy consumption
- ▶ Gradient 20°C max (± 10°C)*
- ▶ Warranty: 5 years

	Aluminium block	Gold-plated silver block
Temperature (°C)	-5 to +99.9	
Homogeneity (°C)	± 0.25 to 55 °C, ± 0.4 to 95 °C	
Heating rate (°C/s)	3.5	5
Cooling rate (°C/s)	3.2	5
De(In)crement temperature (°C)	9.99	
De(In)crement time (seconds)	99.99	
Heated lid	Automatic, up to 105 °C	
Number of programmes	Up to 680	
Dimensions (L x D x H)(cm)	20 x 37 x 16	
Weight (kg)	7.8	

Basic 48-well non-removable model

Cat. No.	049974	049986
€ Excl. VAT	NC -	NC -

48-well non-removable gradient model

Cat. No.	049975	049976
€ Excl. VAT	NC -	NC -

* Only valid for the gradient labcycler.

Basic or gradient Labcycler thermal cyclers

Labcycler Cat. No. 049984,
with 96-well block
Cat. No. 049963



- ▶ TFT touch screen and keypad
- ▶ Various interchangeable blocks available (to be ordered separately), triple block 3 x 21 wells for three independent programs, 48, 96 and 384 wells
- ▶ Tool-free block change with automatic block recognition
- ▶ Aluminium 96-well block for reactions up to 100 µl, ideal for high volume in vitro reactions
- ▶ Gradient of 8 to 24 zones depending on model and block
- ▶ Heating and cooling rates up to 4.2 and 3.6 °C/second respectively, depending on model and block
- ▶ Gradient 40°C max (± 20°C)*
- ▶ Up to 680 programmes can be stored in memory
- ▶ Data protection by access code, by group or individual, file or program
- ▶ Warranty: 5 years

	Basic	Gradient
Gradient	-	40 °C max (± 20 °C)
Temperature (°C)	-5 to +99.9	
Homogeneity (°C)	± 0.25 from 20 °C to 72 °C, ± 0.4 to 95 °C	
Temperature setting increment (°C)	0.01	
De(In)crement temperature (°C)	9.99	
De(In)crement time (seconds)	99.99	
Gradient	-	40 °C max (± 20 °C)
Number of programmes	up to 680	
Dimensions (L x D x H)(cm)	25.1 x 44.4 x 20.1/34.7 (lid closed/open)	
Weight (kg)	11.5	

Thermal cycler labcycler without block

Cat. No.	049984	049983
€ Excl. VAT	NC -	NC -

Options

Cat. No.	Description	€ Excl. VAT
049965	Upgrade service from a basic gradient model	NC -
049971	Lid for one 21-well block of the triple block	NC -

Block for labcycler

Cat. No.	Description	Heating / cooling rate (°C/s)	Number of zones for gradient*	Min/max reaction volume per well (µl)	€ Excl. VAT
049964	48-well gold-plated silver block (0.5 ml)	4,2 / 3,6	8	20 / 200	NC -
049963	96-well gold-plated silver block (0.2 ml)	4,2 / 3,6	12	10 / 80	NC -
049962	384-well gold-plated silver block	4,2 / 3,6	24	3 / 20	NC -
049970	Triple block 3 x 21 wells**	2,5 / 2,2	-	10 / 80	NC -
049982	Aluminium block 96-well 100 µl, 0.2 ml	2,5 / 2,2	12	10 / 100	NC -
049985	Block for in situ PCR	2,5 / 2,2	-	-	NC -

* only valid for the gradient labcycler

**triple block is not gradient compatible, passive covers to prevent condensation to be ordered separately (ref.049971)