



Real Cycler 2 plex

SPECIFICATION

Dimensions	W 12cm x D 12cm x H 16cm
Weight	2.5 kg
Operating noise	Silent
Electrical	
Voltage	100 - 240V AC ± 10%
Frequency	47-63Hz
Power	90W
Number of reactions	16
Format	0.1ml tubes
Reaction volume	10- 100µl (20µl recommended)
Temperature control	
Method	Peltier
Range	37-99°C
Speed	3°C/s heating, 1.5°C/s cooling
Run time	< 60 minutes
Temperature control	
Resolution	0.01°C
Uniformity	0.05°C (SD)
Accuracy	± 0.25°C

Fluorescence	
Excitation	500nm (blue LED)
Detection	510 to 560nm (CMOS array)
Multiplex level	Duplex
Sensitivity	Single copy detection
Dynamic range	9-log
Precision	1.1 fold discrimination
Factory calibrated dyes	SYBR Green I, ResoLight, FAM, VIC, HEX, CAL540, CAL560
User selected custom dyes	Yes
Supported assay formats	Intercalating dyes (e.g. SYBR Green I), Hydrolysis Probes
Connection options	LAN, Direct connection to computer (RJ45), PC-free (USB stick)

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