Dual Block Thermal Cyclers
ITCM-4035D



Dual Block Thermal Cyclers ITCM-4035D has been used in PCR applications in research and development, food science, pharmaceuticals, life science, animal diagnostics, and analytical laboratories. Features with customized Marlow Peltier heating units and form 4 circuits to control 4 temperature zones with vibrant touch LCD display and maximum ramping rate 5 ℃/s.

Dual Block Thermal Cyclers ITCM-4035D accommodates 48×0.2 ml + 30×0.5 ml, this block is completely independently of each other and without interference Fabricated with anodizing technology that have prompt heating conducting and adequate corrosion resistance property.

Technical Specification:

Model	ITCM-4035D
Temperature Range (℃)	0 to 100℃
Ramp Rate	0.1 to 5℃
Selectable Heated Lid Temperature	30 to 110℃
Sample Capacity (0.2ml)	48×0.2 ml
Sample Capacity (0.5ml)	30×0.5 ml
Maximum number of programs stored	10000 +(USB FLASH)
Adjustible Heated Lid Temperature	Step less Adjustable
Power (W)	600 W
Dimensions L x W x H (mm)	390×270×255 mm
Net Weight (kg)	9 kg
Electrical Requirements	264 V AC , 47 to 63 Hz
Catalogue No.	620303503

Technical Data:

Model	ITCM-4005D	ITCM-4010D	ITCM-4015D	ITCM-4020D	ITCM-4025D	ITCM-4030D	ITCM-4035D	ITCM-4040D	ITCM-4045D	ITCM-4050D
Capacity	96×0.2 ml		60×0.5 ml			2×48×0.2 ml	48×0.2 ml + 30×0.5 ml		384 well, In-situ Plate	
Display	LCD, 8 inch, 800×600 pixels									
Temperature Range	0 to 100?									
Number of Program	10000 +(USB FLASH)									
Uniformity	? ± 0.2?									
Accuracy	? ± 0.1?									
Resolution	0.1?									
Number of Cycle	100									
Number of Step	30									
Holding Temperature	4?									
Temperature Control	BlockTube									
Heating Rate	5?/s									
Cooling Rate	4?/s									
Ramping Rate Adjustable	0.1 to 5?									
Gradient Temp. Range	-	30 to 100?	-	30 to 100?	-	30 to 100?	-	30 to 100?	-	30 to 100?
Gradient Uniformity	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?
Gradient Accuracy	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?	-	?±0.2?
Gradient Spread	-	1 to 30?	-	1 to 30?	-	1 to 30?	-	1 to 30?	-	1 to 30?
Hot Lid Height Adjustable	Step less Adjustable									
Hot Lid Temperature	30 to 110?									
Connectivity	USB 2.0, LAN									
Temp Increment/Decrement	0.1 to 10.0?									
Increase/Decrease in Time	1 Sec to 600 Sec									
Power consumption	600 W									
Overall Dimensions	390×270×255 mm									
Net Weight	9 kg									
Electrical Requirements	264 V AC , 47 to 63 Hz									
Catalogue No.	620300503	620301003	620301503	620302003	620302503	620303003	620303503	620304003	620304503	620305003



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