

INTRODUCTION

Molecular biology methods including those for diagnostic testing processes involves a variety of protocols that requires heating, mixing, and shaking steps for small-volume in tubes and microplates.

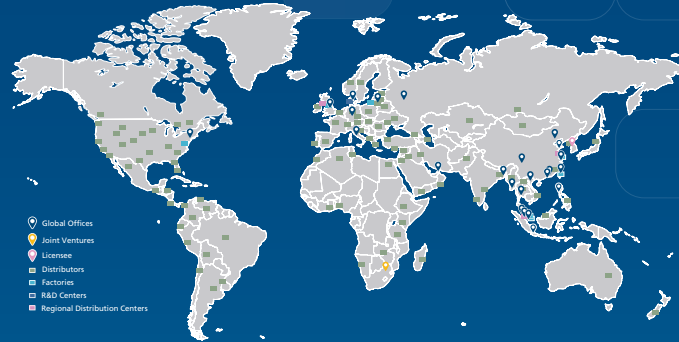
Microplate shaking incubators are designed to provide a variety of mixing applications for accurate incubation of reactions and extraction of nucleic acids and proteins.

List of Applications

- Protein or nucleic acid denaturation
- Sample preservation
- Enzymatic reactions
- Bacterial suspension
- Nucleic acid extraction protocols
- PCR mastermix preparation
- Diagnostic testing
- General mixing
- Cell culture

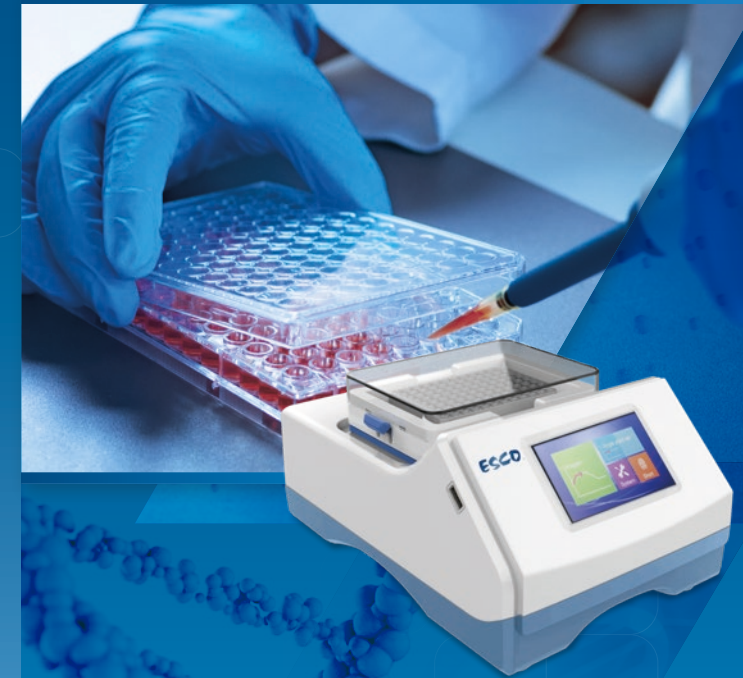
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Esco ProvoCell™ II Shaking Microplate Incubator



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SPECIFICATIONS

ORDERING INFORMATION

Esco ProvoCell™ II
Shaking Microplate Incubator



PV-PVC2 + PV-BLC2-2

KEY FEATURES

- ✓ Programmable and smooth rotation up to 3000 rpm
- ✓ Easy to clean and interchangeable blocks
- ✓ High temperature accuracy
- ✓ User-friendly interface
- ✓ Small footprint

ProvoCell™ II		
Available Blocks	BLC2-1	384 well
	BLC2-2	96 x 0.2 mL
	BLC2-3	54 x 0.5 mL
	BLC2-4	35 x 1.5 mL
	BLC2-5	35 x 2.0 mL
	BLC2-6	12 x 5.0 mL
	BLC2-7	12 x 15 mL
	BLC2-8	4 x 50 mL
	BLC2-9	20 x 1.5 mL + 32 x 0.2 mL
Temperature Setting Range	1-100°C (increment of 0.1°C)	
Temperature Control Range	Ambient -15 to 100°C	
Block Temperature Uniformity	≤±0.5°C (20°C-45°C) ≤±0.8°C (<20°C or >45°C)	
Temperature Accuracy	≤±0.5°C (15°C - 100°C)	
Temperature Uniformity	≤±0.5°C (20°C-45°C) ≤±0.8°C (<20°C or >45°C)	
Heating/Cooling Rate	Heating cooling rate for blocks: ≤12 min (25°C to 95°C): BLC2-1, BLC2-2, BLC2-3, BLC2-4, BLC2-5, BLC2-9	
	≤18 min (25°C to 95°C): BLC2-6	
	≤21 min (25°C to 95°C): BLC2-7, BLC2-8	
Timer Range	0 to 99 h 59 min	
Shaking Speed	300-3000 rpm Max rpm for blocks: 3000 rpm: BLC2-1	
	2000 rpm: BLC2-2, BLC2-3, BLC2-4, BLC2-5, BLC2-9	
	1000 rpm: BLC2-6, BLC2-7, BLC2-8	
Shaking Amplitude	3 mm (0.11")	
Power Consumption	100-240V AC, 50/60 Hz, 180 W	
Dimension (W x D x H)	145 x 310 x 210 mm (5.7" x 12.2" x 8.3")	
Net weight	6.3 kg (13.9 lbs)	

ProvoCell™ II		
Model Code	Item Code	Description
PV-PVC2	2210041	ProvoCell™ II, Microplate Shaking Incubator, 100-240 VAC
PV-BLC2-1	1360241	ProvoCell™ II Incubator Block 1 (384)
PV-BLC2-2	1360242	ProvoCell™ II Incubator Block 2 (96 x 0.2 mL)
PV-BLC2-3	1360243	ProvoCell™ II Incubator Block 3 (54 x 0.5 mL)
PV-BLC2-4	1360244	ProvoCell™ II Incubator Block 4 (35 x 1.5 mL)
PV-BLC2-5	1360245	ProvoCell™ II Incubator Block 5 (35 x 2.0 mL)
PV-BLC2-6	1360246	ProvoCell™ II Incubator Block 6 (12 x 5.0 mL)
PV-BLC2-7	1360247	ProvoCell™ II Incubator Block 7 (12 x 15 mL)
PV-BLC2-8	1360248	ProvoCell™ II Incubator Block 8 (40 x 50 mL)
PV-BLC2-9	1360249	ProvoCell™ II Incubator Block 9 (20 x 1.5 mL + 32 x 0.2 mL)



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