

## 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.

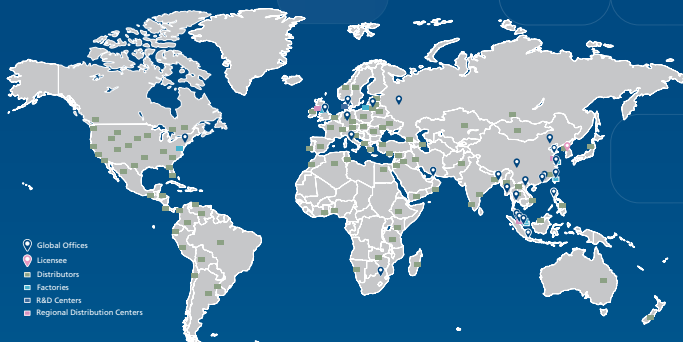
Microplate shaking incubators are designed to provide a variety of mixing applications for accurate incubation of reactions and extraction of nucleic acids and proteins.

## 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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## Esco ProvoCell II Shaking Microplate Incubator



### KEY FEATURES

- Programmable and smooth rotation up to 3000 rpm
- Easy to clean and interchangeable blocks
- High temperature accuracy
- Safe for use
- User-friendly UI
- 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 (WxDxH)	145 x 310 x 210 mm (5.7" x 12.2" x 8.3")	
Temperature Accuracy	≤±0.5°C (15°C - 100°C)	

ProvoCell II		
Model Code	Item Code	Description
PV-PVC-2	2210041	ProvoCell II, Microplate Shaking Incubator, 100-240VAC
PV-BLC2-1	2210042	ProvoCell II Incubator Block 1 (384)
PV-BLC2-2	2210043	ProvoCell II Incubator Block 2 (96x0.2ml)
PV-BLC2-3	2210044	ProvoCell II Incubator Block 3 (54x0.5ml)
PV-BLC2-4	2210045	ProvoCell II Incubator Block 4 (35x1.5ml)
PV-BLC2-5	2210046	ProvoCell II Incubator Block 5 (35x2.0ml)
PV-BLC2-6	2210047	ProvoCell II Incubator Block 6 (12x5.0ml)
PV-BLC2-7	2210048	ProvoCell II Incubator Block 7 (12x15ml)
PV-BLC2-8	2210049	ProvoCell II Incubator Block 8 (40x50ml)
PV-BLC2-9	2210050	ProvoCell II Incubator Block 9 (20x1.5ml+32x0.2ml)

