

INTRODUCTION

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

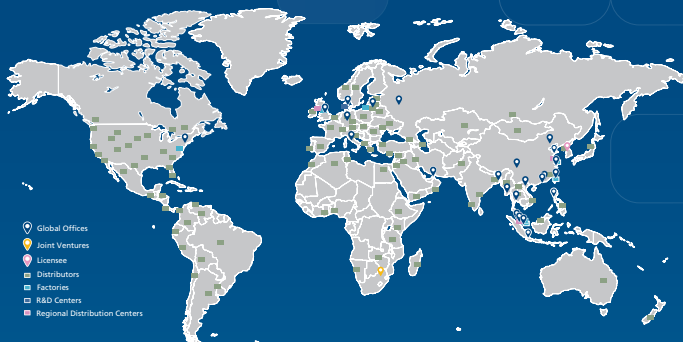
They combine an advanced microprocessor-based controller with *Peltier technology* that permits rapid switching between heating and cooling with accurate temperature control and block uniformity.

They can be used in a biological safety cabinet, laminar flow cabinet, or on a benchtop without the contamination risk associated with conventional water or liquid-cooling baths.

List of Applications

- Mixing tissue samples
- Cytogenetic suspensions
- Cell lysis
- Vortexing cell suspensions
- DNA and RNA extraction protocols

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Esco ProvoCell™ Shaking Microplate Incubator



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Esco ProvoCell™ Shaking Microplate Incubator



PV-PVC + PV-BLC-1

KEY FEATURES

- ✓ Programmable and smooth rotation up to 1500 rpm
- ✓ Easy to clean and interchangeable blocks
- ✓ High temperature accuracy
- ✓ User-friendly interface
- ✓ Small footprint

SPECIFICATIONS

ProvoCell™		
Available Blocks	BLC-1	1.5 mL x 40 (Standard)
	BLC-2	0.2 mL x 96
	BLC-3	0.5 mL x 54
	BLC-4	Ø15 mm x 24
	BLC-5	96 wells ELISA board
	BLC-6	0.5 mL x 26 + 1.5 mL x 24
	BLC-7	2 mL x 40
Temperature Setting Range	1-105°C (increment of 0.1°C)	
Temperature Control Range	Ambient -14°C to 100°C	
Block Temperature Uniformity	≤±0.5°C (0°C - 60°C) ≤±1°C (>60°C)	
Temperature Accuracy	≤±0.5°C (14°C - 100°C)	
Temperature Uniformity	≤±0.5°C (0°C - 60°C) ≤±1°C (>60°C)	
Heating Rate	6°C/min from 20°C to 100°C	
Nominal Heating Time	≤12 mins from 20°C to 100°C	
Nominal Cooling Time	≤8 mins for 10°C decrease from ambient temperature ≤15 mins from 100°C to 10°C above ambient temperature	
Timer Range	1 min to 99h 59 min	
Shaking Speed	300-1500 rpm	
Shaking Amplitude	3 mm (0.11")	
Power Consumption	PV-PVC-2	110 VAC ±11V, 50/60 Hz, 150 W
	PV-PVC-1	220 VAC ±11V, 50/60 Hz, 150 W
Dimension (WxDxH)	295 x 265 x 170 mm (11.6" x 10.4" x 6.7")	
Net Weight	9.5 kg (20.9 lbs)	

ORDERING INFORMATION

ProvoCell™		
Model Code	Item Code	Description
PV-PVC-2	2210029	ProvoCell™, Microplate Shaking Incubator, 110 VAC
PV-PVC-1	2210030	ProvoCell™, Microplate Shaking Incubator, 220 VAC
PV-BLC-1	1360043	ProvoCell™ Incubator Block 1 (40 x 1.5 mL)
PV-BLC-2	1360044	ProvoCell™ Incubator Block 2 (96 x 0.2 mL)
PV-BLC-3	1360045	ProvoCell™ Incubator Block 3 (54 x 0.5 mL)
PV-BLC-4	1360046	ProvoCell™ Incubator Block 4 (24 x 15 mm)
PV-BLC-5	1360048	ProvoCell™ Incubator Block 5 (96 Well ELISA Board)
PV-BLC-6	1360049	ProvoCell™ Incubator Block 6 (26 x 0.5 mL + 24 x 1.5 mL)
PV-BLC-7	1360047	ProvoCell™ Incubator Block 7 (40 x 2mL)



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