

Jeio Tech PCR Workstation (PW-21)

Product Code: AAHB3022K

Brand: Jeio Tech

The Jeio Tech PCR Workstation (PW-201) is specially designed to minimise sample contamination during sensitive PCR applications with the use of its ISO Class 4 (US Class 10) HEPA filter, which provides samples with optimal protection.

It is equipped with a user-friendly microprocessor-based control panel, easily set digital timer for UV light exposure to deactivate DNA and RNA contaminants, and a built-in anti-glare fluorescent lamp to minimise shadows and relieve eye strain.

Features:

Performance:

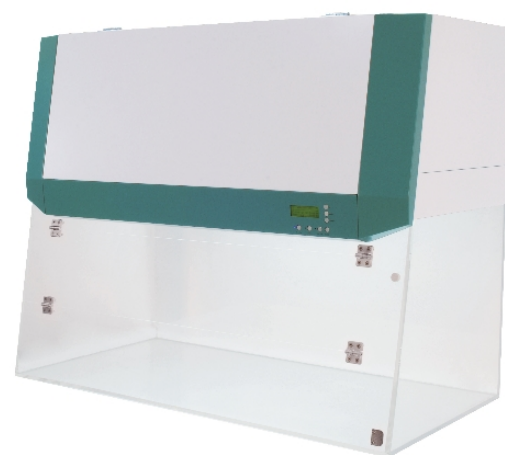
- ISO Class 4 (US Class 10) HEPA filter for optimal protection against cross-contamination (average life span of HEPA filter: 3 years - depending on the test room conditions).
- High-quality polyester fibre pre-filter (with minimal pressure loss and 85% arrestant on the A.F.I. test) for trapping larger particles and increasing the life of the main HEPA filter.
- Effective sterilisation using a long-life 254mm UV lamp (average life span of UV lamp: 8000 hours).
- Built-in anti-glare fluorescent lamp minimises shadows and relieves eye strain.

Convenience:

- User-friendly microprocessor-based control panel.
- Large capacity blower and easy blower speed adjustment by the control panel.
- Easy settable digital timer for UV light exposure to deactivate DNA and RNA contaminants (wait off, max. 30 min.).
- Comfortable front access to cartridge type of filters for easy replacement.

Safety:

- Interlocking safety door system shuts off UV light automatically when opening the door.
- UV-blocking door and side panels made of transparent acrylic resin provides clear inside view.
- UV over-exposure alarm and over-current protection.



Specifications:

Air Flow Type		Vertical	
Max. Air Volume (cmh/cfm)		929/546	
Min. Air Volume (cmh/cfm)		279/162	
Laminar Air Flow Velocity (m/s/fpm)		0.3/60	
Filter(s)	Air Cleaniness	ISO 14644-1 Class 4	
	HEPA Filter	Typical efficiency of 99.99% at 0.3µm US MIL-STD-282 Micro glass fibre media Particle board Aluminium separator Neoprane gaskets	
	Pre Filter	Polyester fibres with an efficiency of 85% (A.F.I. Test) AL frame Polyester fibre media	
Noise Level (dBA)		Typically < 60 dBA at blower speed	
Material(s)	Work Surface	10mm thick acrylic resin (clear type)	
	Window (front, side/back)	8mm/10mm thick acrylic resin (clear type)	
Illumination	Intensity	Fluorescent Lamp (lux)	> 1000
		UV Density (µW/cm²)	330
	Capacity	Fluorescent Lamp (w)	30 x 1 ea
		UV Lamp (w)	
Dimensions	Internal (w x d x h)	1180 x 585 x 602mm	
	External (w x d x h)	1200 x 605 x 964mm	
	Net Weight - body (kg)	77.8	
Electrical Requirements (230V)		50Hz, 1.5A	

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