

# PCR Clean Air Cabinets

## *PCR650 & PCR650E*



Monmouth Scientifics brand new PCR Cabinets offer superb clean air characteristics for the processing of Polymerase Chain Reaction (PCR).

The cabinets provide excellent sized working area and significantly lowers the risk of cross contamination of your PCR sample by providing a curtain of clean air (Laminar Flow) over the worksurface. It offers better than Class 100 clean air conditions over the entire working area and to further reduce the risk of cross contamination between samples, the Monmouth PCR cabinets are supplied complete with a time controlled UV light to completely sterilise the working area between samples. 4 individual pre-set time functions are provided as standard.

A removable, lightweight and interlocked night door is provided to ensure there is no risk of exposure to the UV light. This can be hung on the side of the cabinet when not in use. A stainless steel worksurface is provided as standard.

Two versions are available, the PCR650 which is supplied with a low airflow alarm and warning light, and the PCR650E which offers a low airflow warning via the LCD display, but in addition offers a pre-filter replacement warning alarm, HEPA filter warning alarm, hours run indicator and countdown timer for the UV light.

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# Monmouth Scientific

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# PCR Clean Air Cabinets

## PCR650 & PCR650E



Touch sensitive keypad with low airflow alarm (PCR 650)



UV interlocked night door



Secure night door hanger for easy stowage when not in use

- Compact design – just 650mm x 560mm takes up minimal bench space
- HEPA filtered air to Class 100
- Automatically timed UV light (4 preset times) ensures work area is kept sterile
- Lightweight interlocked UV night door ensures safe operation at all times
- Touch sensitive keypad with low airflow alarm on PCR650
- Touch sensitive keypad with LCD display with low airflow alarm including Hours run indicator, Pre-filter and HEPA filter alarms and UV countdown timer on PCR650E
- Secure night door hanger for easy stowage when not in use
- Stainless steel worksurface
- Steel construction for years of uninterrupted use
- Easy to install – just sit on the bench and plug in!
- Easy filter replacement

SPECIFICATIONS:	PCR650	PCR650E
<b>External Dimensions:</b>	Width – 650mm Height – 875mm Depth – 560mm	Width – 650mm Height – 875mm Depth – 560mm
<b>Internal Dimensions:</b>	Width – 640mm Height – 540mm Depth – 550mm	Width – 640mm Height – 540mm Depth – 550mm
<b>Vertical Laminar Airflow</b>	0.4m/sec.	0.4m/sec.
<b>Filtration</b>	HEPA filtered class 100 clean air	HEPA filtered class 100 clean air
<b>UV Light</b>	20W Germicidal Lamp	20W Germicidal Lamp
<b>Electrical Requirements</b>	230V 50Hz 200W	230V 50Hz 200W
<b>Fluorescent Light</b>	18W Fluorescent	18W Fluorescent
<b>Noise Level</b>	<55dB (A)	<55dB (A)
<b>Monitoring Systems</b>	Low airflow - Warning light & audible alarm	Low Airflow - LCD display indicating alarm status with audible alarm. Pre- Filter life alarm - LCD display showing hours of use. Audible & visual alarm when filter use exceeds pre-set limits. HEPA Filter life alarm - LCD display showing hours of use. Audible & visual alarm when filter use exceeds pre-set limits
<b>Operator Safety</b>	Interlocked Safety Screen with continuous monitoring of UV and fluorescent light status	Interlocked Safety Screen with continuous monitoring of UV and fluorescent light status
<b>UV Control</b>	4 pre-set timing intervals with LED indication of status	4 pre-set timing intervals with LCD display countdown timer
<b>UV tube life alarm</b>	Warning light & audible alarm after 1000 hours	Warning light & LCD display indicating use after 1000 hours

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