

Polymerase Chain Reaction Cabinets

Corrosion-resistant PCR cabinets with Smart Safe technology & advanced UV sterilisation.



Simplify your DNA/RNA sample sequencing & amplification processes with a cost-effective touchscreen solution from TION.

Polymerase chain reaction cabinets (commonly referred to as PCR cabinets) create sterile work environments using ultraviolet light (UV) to prevent sample contamination. Often used in forensic analysis and biomedical research, this technology plays a pivotal role in copying specific DNA segments. It's a fast & cost-effective solution that reduces the need for broader clean-room conditions. Every PCR cabinet we sell is equipped with SMART Safe UV technology to prevent unwanted UV exposure, in addition to a 5-inch touch-screen with programmable UV timers.

Key Benefits:

- Colour Touch-Screen
- Smart Safe Technology
- Ergonomic Design
- Easy Clean Construction



Accessible Design

Our bench-mounted dead air & HEPA PCR cabinets are both available with optional stands.



5" User Interface

Regulate your decontamination procedures with our full-colour touch-screen panel.



Energy Efficient Lighting

Sealed LED lighting offers eco-friendly, cost-effective 800 LUX illumination.



Complete Customisation

Every aspect of our cabinets can be customised to suit the needs of your application.

Call now on **+44 (0) 1223 790028** to place your order or email **support@tion.co.uk**

For further product details and to see more from our range, visit **www.tion.co.uk**

At TION, we offer two PCR cabinet models: **Dead Air & HEPA.**

The HEPA models are equipped with a full-colour 5-inch touchscreen display with built-in UV decontamination and airflow controls. Our dead air models also feature a 5-inch digital display but lack the airflow controls associated with our HEPA units (see below).

PCR Cabinets: Dead Air



PCR Cabinets: HEPA



Features	Dead Air PCR Cabinet	HEPA PCR Cabinet
Control Panel	5-inch touch screen	5-inch touch screen
Customisable Design	✓	✓
Optional Stand	✓	✓
Benchtop Mounting Available	✓	✓
Optional Sash	✓	✓
SMART Safe Technology	✓	✓
UV Timer	✓	✓
Full Polypropylene Build	✓	✓
Multiple Filter Options	✗	✓
Airflow Monitoring	✗	✓
Low Airflow Alarm	✗	✓

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Dead Air Boxes & HEPA PCR Cabinets

We manufacture our PCR cabinets using 100% virgin, medical-grade welded polypropylene. This corrosion-proof material creates a lightweight design that's simple to adjust, allowing our solution designers to produce fully bespoke cabinets. We also offer customisable sash designs, UV lighting and optional stands.

Spec/Model	PCR600-H	PCR900-H	PCR1200-H
PCR Cabinet: HEPA			
External Dimensions (WxDxH)	600 x 640 x 950 mm	900 x 640 x 950 mm	1200 x 640 x 950 mm
Workspace (WxDxH)	585 x 450 x 590 mm	885 x 450 x 590 mm	1185 x 450 x 590 mm
Sash Max Height	450 mm / 17.7"	450 mm / 17.7"	450 mm / 17.7"
Production / Test Standard	USA Federal Standard 209E / ISO 14644-1, CE	USA Federal Standard 209E / ISO 14644-1, CE	USA Federal Standard 209E / ISO 14644-1, CE
Air Velocity	0.3 m/s, 60 FPM	0.3 m/s, 60 FPM	0.3 m/s, 60 FPM
Filter Type	H14, HEPA	H14, HEPA	H14, HEPA
Noise Level	<56 dB	<56 dB	<56 dB
Spec/Model	PCR600-DA	PCR900-DA	PCR1200-DA
PCR Cabinet: Dead Air			
External Dimensions (WxDxH)	600 x 640 x 750 mm	900 x 640 x 750 mm	1200 x 640 x 750 mm
Workspace (WxDxH)	580 x 450 x 550 mm	880 x 450 x 550 mm	1180 x 450 x 550 mm
Sash Max Height	500 mm / 19.6"	500 mm / 19.6"	500 mm / 19.6"
Cabinet Material	Polypropylene		
UV Spec	17w ozone free 245nm		
Power Supply	110 / 220V , 50/60 Hz, Single phase		
Illumination	800 LUX LED lighting		
Optional Stand	Yes		



Discover

This includes an extensive breakdown of key project budgets, such as building specifications, processes, workflows, and the laboratory itself. We understand the importance of capturing project details early on to reduce the chance of price complications and extended timelines.



Develop

During the development stage, you will collaborate and engage with core TION personnel and project stakeholders to develop a solution that's fit for purpose within your chosen space. Our aim is to alleviate any concerns or potential roadblocks and arrive at a final specification.



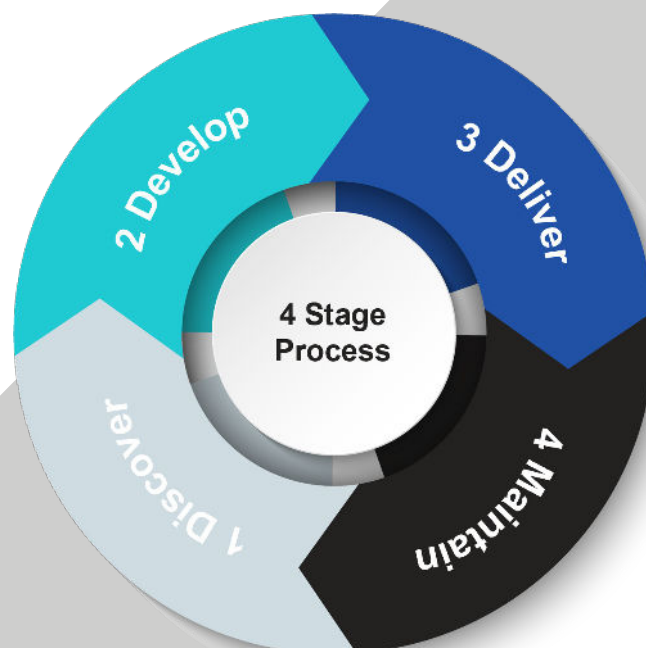
Deliver

Deliver is where the rubber meets the road, and we transform your build space into a cutting-edge laboratory. Our delivery personnel will coordinate with your team to ensure that every step of the program is clear and delivered on time by working closely with on-site contractors.



Maintain

Completing a project is really the first step. Ensuring reliability and consistency of communication following a project is paramount. Everything from asset registration, job logging, and PPM (Planned preventative maintenance) is covered by our methodology.





Contact us today for more information
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Visit www.tion.co.uk