



e³ Energy Efficient Peltier Cooling Incubators

Genlab is proud to offer their customers a unique range of sustainable laboratory products and services. **e³** is our market leading brand for scientifically developed, cutting edge, sustainable, eco-friendly products.

Genlab's range of **e³** Peltier Cooling Incubators are energy efficiency, quick reacting and offer a stable environment between 8 to 48°C. Using the latest thermal technology and advanced PID heat/cool loops, these incubators offer low running cost and unmatched specification in terms of accuracy, uniformity and repeatability. Our range of Cooling Incubators run with heat sources typically rated at less than 80% that of the traditional incubators.

Equipped with solid-state thermoelectric technology to maintain exact temperatures - ideal for labs that need accuracy without the noise or bulk of a compressor system.

Features

- 4 sizes (50 to 500 litres)
- Temperature range 8 to 48°C
- Mirror polished stainless interior
- High accuracy (PT100A sensor <0.4°C)
- Fan assisted circulation
- Low vibration / Low noise

Options

- Control/monitor remotely with RS 485 communications
- 8 stage profile control
- Access ports
- Traceable calibration to National Standards
- Viewing windows
- Inner glass doors
- Internal lights
- Bespoke sizes available upon request
- BMS alarm outputs



Design

Crafted for durability and performance, the unit features a robust sheet-steel exterior finished with an easy-clean white powder coating. Inside, a premium 304 mirror polished stainless-steel chamber delivers lasting hygiene and reliability, complete with fixed stainless-steel shelf runners and removable chrome-plated wire grid shelves for effortless flexibility.

Cooling / Heating

Our advanced range of cooled incubators delivers exceptional temperature control, offering both heating and cooling capabilities to support incubation and storage above or below ambient conditions. Designed for efficiency, each unit features cutting-edge Peltier technology seamlessly integrated into the rear of the cabinet, providing powerful performance with remarkable energy savings.

Inside, low-wattage circulation fans and solid-state thermoelectric modules work together to create a uniform, stable environment - housed behind a sleek, mirror-polished stainless-steel guard for added durability and easy cleaning.

For hassle-free operation, a self-evaporating condensation tray is conveniently positioned at the rear of the unit, ensuring smooth, maintenance-light performance

Sizes and Specifications

Genlab Reference Number	Capacity (litres)	Int. Dimensions (H x W x D cm)	Ext. Dimensions (H x W x D cm)	Peltier Wattage	Shelves / Positions	Weight (kg)
E3/PCI/50	50	45 x 36 x 33	69 x 49 x 64	100W	2..3	50
E3/PCI/150	150	55 x 49 x 51	79 x 62 x 81	100W	3..5	75
E3/PCI/520	250	91 x 51 x 51	120 x 64 x 79	150W	5..7	95
E3/PCI/500	500	114 x 61 x 78	153 x 74 x 114	200W	5..9	170

Please see product datasheets for dimensional drawings

Ordering

All units have a mirror polished stainless steel interior with a touch screen interface as standard. Where options are required, simply add the option code to the original reference. e.g. **E3/PCI/150** with a viewing window and BMS alarm contacts becomes **E3/PCI/150/VIS/BMS**. Contact sales for bespoke options.

Option Codes

8PR* 8 Stage Profile Control

AP 25mm Access Ports

VIS Viewing Window

DD Inner Glass Door

BMS BMS Alarm

RS485 Communications

IL Internal Lights

STAND Stands

STACK Stacking Kits

SPC Single Point Calibration

3PC 3 Point Calibration

X1 Extended Warranty

*8PR is 4 segments, each segment has 1 ramp and 1 soak