PCR/UV Sterilisation Cabinets

- Inactivates nucleic acids in 5 to 30 minutes
- Doors fitted with safety switches
- Complete with four powerful, timer controlled UV bulbs (Standard Cabinet)
- Efficient decontamination of the complete work surface
- Suitable for work with ^{32}P



The Geneflow PCR cabinet or UV sterilization cabinet is a powerful tool for preventing contamination during the setting up of PCR reactions. Unwanted DNA or RNA contaminants can be destroyed in as little as 30 minutes, giving a completely template free workplace to set-up PCR reactions in complete confidence.

Four powerful, timer controlled UV tubes combined with optimized reflectors efficiently irradiate the work surface containing equipment, tubes, pipettes etc. Another advanced feature of the PCR cabinet is the safety doors which disconnect the UV light source when opened. The unit is constructed from 10mm acrylic so it also efficiently shields against Beta radiation and can therefore be safely used with isotopes such as ^{32}P and biohazard samples.

A white light is also included to provide adequate illumination during sample preparation. The PCR cabinet is fully compatible with 68 x 54cm safety trays. The new Mini UV Cabinet has been designed for limited budget and space requirements.

Techncial Specifications

	Maxi	Mini
UV Lights	Four x 15 Watt	Two x 15 Watt
White Light	15 Watt	15 Watt
Dimensions	770 (H) x 560 (W) x 420mm (D)	510 (H) x 560 (W) x 350mm (D)
Weight	19 Kg	12 Kg

Ordering Information

Product Number	Description	Pack Size
P2-0020	UV Sterilisation Cabinet with timer, four UV lights & white light	Each
P2-0022	Mini UV Sterilisation Cabinet with timer, UV light & white light	Each
P2-0026	General Purpose White Tray - 68 x 54cm	Each
P2-0024	Radiation Hazard Yellow Tray - 68 x 54cm	Each
P2-0028	Liners - 68 x 54cm	Pk. 25

Please contact technical support for additional information on any of these products

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SensoQuest Thermal Cyclers



The Labcycler
The LabCycler is rapidly becoming the thermal cycler of choice due to quality manufacturing and the features that it possesses ensuring rapid, yet highly accurate temperature changes and extreme temperature uniformity across the blocks.

Enhanced Precision and Uniformity
This is achieved by a 6-zone temperature regulation that corrects for any differences between the 6 peltier elements.

All blocks have their own processor with 6 separately controlled peltier elements which ensures extraordinary temperature uniformity at high heating and cooling rates. In addition each block has its own continuously self-calibrating temperature measuring circuitry ensuring precise and identical operation of a block in any machine.

Unique Block Changing System
The blocks are easily changed by simply lifting them out of the LabCycler which takes only 10 seconds. There is a choice of three gold plated silver blocks (48, 96 and 384 well) which are designed for high speed, yet low energy consumption and uniformity. A 3 x 21 triple block system is also available allowing 3 independent PCR runs.

Sustainability with low energy consumption
The peltier elements have been tested to at least 600,000 cycles without any failures giving at least 20 years of lifetime even under the most extreme conditions. The silver blocks are electroformed for lowest heat capacity and best heat conductance enabling high speed yet only using 350 Watts, indeed the average consumption during a typical run is 150 Watts.

TFT Colour Touchscreen and Automatic Lid
The LabCycler has a TFT display and touch screen. Graphic monitoring allows tracking of the PCR process. The heated lid is controlled by an electric motor and both temperature and pressure (30N-120N) are fully programmable. Hot-start procedures are possible.

Specifications for 48, 96, 384 and Triple Blocks

Temperature	-5.0 °C to 99.9° C
Uniformity	± 0.25°C at 55 °C, ± 0.40°C at 95°C
Control Accuracy	± 0.01°C
Ramp Rate	0.001 °C/s to 5.0 °C/s
De (In) crements	Temperature ± 9.99C Time ± 99.99 seconds
Format	**Thermoblock 96** – 96 x 0.2ml single tubes, strips and microtiterplates **Thermoblock 48** – 48 x 0.5ml single tubes **Thermoblock 384** – 384 well microtiterplates Electroformed gold plated silver, gradient capable (40°C ± 20 °C between the narrow sides of the block) Heating Rate 4.2°C/s Cooling Rate 3.6°C/s
Format	**Triple Block** – 3 x 21 wells, 21 x 0.2ml single tubes Anodised aluminium, 3 passive lids, separately controllable, not gradient capable Heating Rate 2.5°C/s Cooling Rate 2.2°C/s

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