PCR Workstation

The PCR Workstation provides effective decontamination of solutions, reagents and equipment before carrying out sensitive PCR reactions, particularly when amplifying DNA fragments which are either in limited supply or low copy number. Four timer-controlled 15 W UV bulbs enable the user to control the exposure time and dose of high energy UV irradiation required to denature nucleic acids preventing background contamination. Safety interlocks switch-off the UV bulbs automatically when the cabinet side doors are opened, preventing accidental exposure to the UV source. The cabinets construction from UV impermeable 10 mm acrylic also serves as an effective barrier against some radioactive isotopes, allowing the user to work in increased safety with ß- emitters such as ^{32}P and ^{35}S. A single white light bulb illuminates the work area when the cabinet is in use.

Features and Benefits

Four 15-Watt UV bulbs–generate sufficient high energy UV irradiation to denature nucleic acids in as little as 30 minutes, minimizing unwanted background contamination in PCR reactions

Optimal reflectors–provide uniform irradiation of the whole work surface area within the cabinet

Timer-control–affords the user total control over exposure time and UV-dosage

Timer override switch–for constant UV irradiation

Safety interlocks–immediately cut out the UV source when the side doors are opened, preventing accidental UV exposure

10 mm optical acrylic–acts as a safety barrier to UV and ß radiation, allowing the cabinet to be used as a radiation work station if preferred

White light–illuminates the work area when the cabinet is in use

Recommended for use with the RPP-TY6854 safety tray and RPP-TL6854 easy-clean tray liners (not included)

Technical Specifications

External Dimensions (w x h x d)	56 x 77 x 42 cm
Internal Dimensions (w x h x d)	54 x 75 x 40 cm
Thickness of Acrylic	10 mm, confers protection against the UV and ß-emitters
UV Bulbs	4 x 15 W; 254 nm wavelength
White Light Bulb	1 x 15 W; visible wavelength
Timer Control	0-120 minutes
Weight	19 kg
Safety Certifications	EN61010-1, CE

Ordering Information

Cat. #	Description
PCR1000-115V	UV Sterilization Cabinet for 115 VAC power supply
PCR1000-230V	UV Sterilization Cabinet for 230 VAC power supply

Accessories and Replacement Parts

Cat. #	Description
PCR-UVLS	UV Germicidal Bulb, 15 W, 254 nm
RPP-TY6854	Radiation Safety Tray, 68 x 54 cm (w x l)
RPP-TL6854	Liners, 68 x 54 cm (w x l)–25/pk

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