Manufacturer of Life Science ...

Herolab GmbH Laborgeräte

CleneCab® plus

PCR WORKSTATION WITH CROSSLINKER

User friendly, save and efficient

- Built-in microprocessor for control of emitted UV energy (for crosslinking)
- Removable pull-out crosslinking tray (40 x 22 cm – 15.7 x 8.7 inches)
- Inactivates nucleic acids in as little as 5 to 30 minutes
- Protects the sample from external contamination and the user from biohazardous samples
- Made of 10 mm* acrylic glass, hence suitable for work with ^{32}P
- Doors with safety cut-off switches, in order to protect the user from UV radiation
- Fife powerful, timer controlled UV tubes, combined with special reflectors for efficient irradiation of the entire working surface

The *CleneCab®* is a **low-cost alternative to a cleanroom** in order to prevent contamination through already amplified material when working with the PCR® method (polymerase chain reaction).

An exposure of the working space within the *CleneCab®* of only 5 to 30 minutes with specifically optimized UV irradiation is sufficient **to reduce or completely eliminate the danger of sample contamination**. The high UV intensity (4.200 mW, measured in a distance of 30 cm) reduces the decontamination time to an absolute minimum. A built-in timer allows the user to control the UV dose and prevents unnecessary exposure. The UV light is automatically cut off when the doors are opened.

In addition to those functions the *CleneCab plus®* workstation is equipped with a microprocessor to control the energy of the powerful UV tubes. The necessary dose can be preset very easily in energy (mJ) or time units (s) by means of a turning knob. Up to date measuring instructions monitor and control the emitted UV energy in order to provide a **constant 100% UV irradiation for effective crosslinking**. A warning lamp lights up when the tubes need to be replaced. The 40 x 22 cm (15.7 x 8.7 inches) removable pull-out crosslinker tray allows the use of gels, large and small membranes, petri dishes, etc. for a subsequent treatment with controlled amounts of UV energy.

The *CleneCab plus®* can also be used for other purposes with a high demand of cleanliness or protection, such as radioactive labeling of DNA, where the 10 mm* high density acrylic glass construction provides an ideal shielding from radioactive substances like ^{32}P.

Delivery includes:

CleneCab® PCR® Workstation (dimensions WxDxH: 62 x 42 x 77.5 cm)

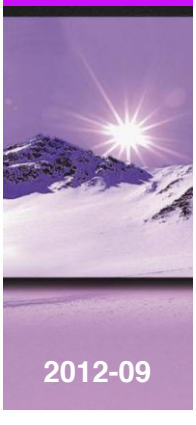
complete with: Microprocessor, removable pull-out crosslinking tray (40 x 22 cm)
Bench Tray (dimensions WxD: 68 x 54 cm) incl. 1 x liner
5 x 15 Watt UV tubes (254 nm), 2 x 4 Watt white light tubes

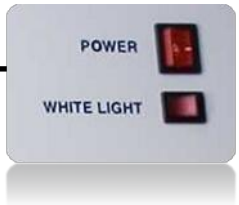
Model	Cat.-No. 230 V	Cat-No. 110 V	Light sources	
CleneCab® plus	30 00 200	30 00 215	5 x UV tubes 15 W, 254 nm + 2 x white light 4 W	

* According to the Karlsruhe Chart of Nuclides, approx. 7 mm acrylic glass with a density of 1.18 g/cm³ is sufficient to shield ^{32}P.
The PCR® process is covered by patents issued to Hoffmann-La Roche AG.

Optional Accessories and Spare Parts:

Cat.-No.	Description	
30 05 100	Acrylic rack, large (16 x 38 cm; height: 32 cm)	
30 05 200	Acrylic rack, small (14 x 30 cm; height: 24 cm)	
29 84 000	UV tube, 15 Watt, 254 nm	
29 84 004	White light tube, 4 Watt	
RPP-TO6854	Bench Tray 68 x 54 cm, white	
RPP-TL6854	Tray Liners 68 x 54 cm (25/pk)	





All products built by Herolab carry the CE sign. Herolab is DIN EN ISO 9001.2008 certified.
All prices without VAT, ex works. – Herolab reserves the right to change technical specifications and prices without prior notice.

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Manufacturer of Life Science ...

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CleneCab®

Safe and efficient working with the PCR® technique

- Inactivates nucleic acids in as little as 5 to 30 minutes
- Protects the sample from external contamination and the user from biohazardous samples
- Made of 10 mm* acrylic glass, hence suitable for work with ^{32}P
- Doors with safety cut-off switches, in order to protect the user from UV radiation
- Four powerful, timer controlled UV tubes, combined with special reflectors for efficient irradiation of the entire work surface

One of the major problems plaguing the widely used technique of PCR® (polymerase chain reaction) is contamination of reagents with previously amplified material. Extreme care is essential in the routine handling of samples prior to amplification. In particular exacting efforts are required if PCR® from single cells or with random primers is to be performed.

To prevent carry-over of amplified DNA sequences, samples should be prepared in a cleanroom using a separate set of supplies and pipettes dedicated only to the specific use of setting up reactions. The Herolab *CleneCab®* provides a **low-cost alternative to a cleanroom**, offering an isolated, dead-air work space. With the use of powerful UV lights, nucleic acids can be efficiently degraded making them unsuitable for subsequent amplification, thus eliminating the danger of contamination between samples.

An exposure of the working space within the *CleneCab®* of only 5 to 30 minutes with specifically optimized UV irradiation is sufficient **to reduce or completely eliminate the danger of sample contamination**. The high UV intensity (4.200 mW, measured in a distance of 30 cm) reduces the decontamination time to an absolute minimum. A built-in timer allows the user to control the UV dose and prevents unnecessary exposure. The UV light is automatically cut off when the doors are opened.

The *CleneCab®* can also be used for other purposes with a high demand of cleanliness or protection, such as radioactive labeling of DNA, where the 10 mm* high density acrylic glass construction provides an ideal shielding from radioactive substances like ^{32}P.

Delivery includes: (interior decoration not included)
CleneCab® PCR® Workstation (dimensions WxDxH: 62 x 42 x 77.5 cm)
complete with: Bench tray (dimensions WxD: 68 x 54 cm) incl. 1 x liner
4 x 15 Watt UV tubes (254 nm), 1 x 15 Watt white light

Model	Cat.-No. 230 V	Kat-Nr. 110 V	Light sources	
CleneCab®	30 00 100	30 00 115	4 x UV tubes 15 W, 254 nm + 1 x white light 15 W	

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Optional Accessories and Spare Parts:

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29 84 700	White light tube, 15 Watt	
RPP-TO6854	Bench Tray 68 x 54 cm, white	
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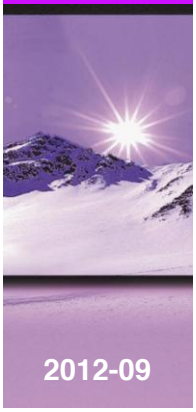
PCR WORKSTATION



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