

# UV CLAVE™

## Ultraviolet Chamber

(For research use only. Not intended for hospital care or medical use.)



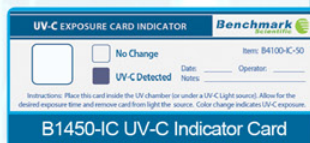
- + Improves quality of PCR research by reducing potential contaminants
- + Multiple lamps and reflective chamber walls provide true 360° irradiation
- + Proprietary UVC transparent shelf, eliminates potential for missed coverage (blind-spots)
- + Inactivates DNA, RNA, viruses & bacteria on PCR vessels
- + Adjustable cycle time

Short-wave UV light is an effective method for the disinfection of surface DNA, RNA and microorganisms. With the UVClave chamber, highly focused UV irradiation is used to disinfect tools, vessels and other research items, eliminating up to 99% of surface contamination.

Unlike most UV chambers, the UV Clave includes powerful UV-C bulbs on both the top and bottom of the chamber. When combined with our proprietary shelf that allows for >90% of UV-C light transmission and highly reflective chamber walls, the result is true 360° exposure with no blind spots.

Exposure time is adjustable. An optional heating cycle can be added to assist in drying items that may have been washed or chemically disinfected prior to insertion.

To protect users, the integrated auto shut-off prevents illumination when the door is open. Optional indicators are available to test for proper exposure levels.



### Technical Data

|                  |  |
|------------------|--|
| UV Bulbs:        | 6 x 4W                                     |
| UV Wavelength:   | 254nm                                      |
| UV Intensity:    | +500µW/cm <sup>2</sup> (center of chamber) |
| UV Dosage:       | 600mJ/cm <sup>2</sup> (20 min cycle)       |
| UV Timer:        | 5-20 min. (5 min. increments)              |
| Heater Timer:    | 30-120 min. (30 min. increments)           |
| Heater Temp.     | 55°C                                       |
| Chamber Dims:    | 8.5x10.1x12.2 in                           |
| (WxDxH)          | 21.6x25.6x31.8 cm                          |
| Ext. Dimensions: | 11.5x10.5x15.7 in                          |
| (LxWxH)          | 29.2x26.7x40 cm                            |
| Max. Height:     | 30 cm                                      |
| Shelf Dims:      | 10x8 in / 25.4 x 20.3 cm                   |
| Shelf Material:  | 2 Stainless steel wire                     |
|                  | 1 UV-C transparent                         |
| Weight:          | 11lbs. (5kg)                               |
| Electrical:      | 120V, 60Hz or 230V, 50Hz,                  |
|                  | 110W                                       |
| Warranty:        | 2 years                                    |



6-bulb design with UV-C transparent shelf for 360° exposure

### Ordering Information

|             |   |
|-------------|---|
| B1450*      | UV Clave™ Ultraviolet Chamber, 115V           |
| B1450-SH    | Optional wire shelf (2 included)              |
| B1450-SH-UV | Optional shelf, UV-C transparent (1 included) |
| B1450-BULB  | Replacement UV-C Bulb                         |
| B1450-IC    | UV-C Indicator Card                           |
| B1450-ISS   | UV-C Indicator Stickers                       |

\*115V with US plug. For 230V (EU plug), please add (-E)