



PRODUCT BROCHURE · BENCHMARK SCIENTIFIC

B1450 (UVClave) Brochure

6 models inside · Thermal Processing · Sterilizers & Autoclaves



QUICK VIEW — SERIES AT A GLANCE

6 models in this document from Benchmark Scientific. Full specifications inside.

MODELS IN THIS DOCUMENT

**B1450-E · B1450-SH-UV · B1450 · B1450-IC ·
B1450-ISS · B1450-SH**

SHIP WEIGHT

12 lb

VOLTAGE

120 V / 60 Hz

SOURCING

Authorized U.S. distributor

Distributed by Legacy Lab Supplies

legacylabsupplies.com · (855) 746-7557 / 855-SHOP-LLS · quotes in 24 hours



UV CLAVE™

Ultraviolet Chamber

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



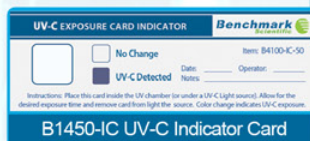
- + Improves quality of PCR research by reducing potential contaminants
- + Multiple lamps and reflective chamber walls provide true 360° irradiation
- + Proprietary UVC transparent shelf, eliminates potential for missed coverage (blind-spots)
- + Inactivates DNA, RNA, viruses & bacteria on PCR vessels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

Short-wave UV light is an effective method for the disinfection of surface DNA, RNA and microorganisms. With the UV Clave 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 ² (center of chamber)
UV Dosage:	600mJ/cm ² (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)