UV Crosslinkers

Applications

UV crosslinking of DNA and RNA after Northern, Southern, slot or dot blots and colony or plaque lifts. PCR decontamination. Nicking ethidium bromide-stained DNA in agarose gels. Gene mapping for cleavage-inhibiting thymine dimers. RecA mutation screening in E.coli. UV sterilization. Continuous UV dosing. Miscellaneous UV-dosage applications including UV-induced polymerization or drying

Spectrolinker™ Series

Select™ Series

The 254nm versions of the Spectrolinker and Select series UV crosslinkers provide super-fast DNA and RNA crosslinking to membranes for improved hybridization-signal sensitivity. At peak, these units can process samples in *under 30 seconds* — that's *240 times faster* than vacuum-oven baking! Our exclusive, wavelength-specific, multi-stack UV photo sensor, which is factory-calibrated to NIST standards, provides precise UV-only dosage measurements. Full range display resolution is accurate to 5µW/cm² EMI/RFI protection. All models from both series offer exceptional accuracy and precision irradiation, even compensating for aging UV tubes when output diminishes over time.

Programmable "Smart" Microprocessor Controller

- LED-function indicators and color-coded keypad
- Built-in "help" messages
- Four operation modes
- Auto Repeat function remembers last operation without reprogramming

Four operation modes —

- Optimal Crosslink mode automatically provides a preset UV energy dosage of 120 mJ/cm²
- Energy-set mode (0-999,990 µJ/cm²) allows for variable amounts of UV energy to be programmed
- Time mode (0-9,900 seconds), allows for variable time settings to be established
- Intensity mode shows steady-state UV intensity output

Note: All units have an irradiance display resolution of ±5µW/cm² over the entire range.

Built-in "help" messages —

- Bulb: When the UV tubes need to be replaced
- Door open: the unit also protects users from accidental UV radiation when the door is opened during a run
- End: End of cycle confirmed with display and audible beep
- Remaining Time/Energy provides operation status report
- When the operation has been interrupted. The RESET button cancels the latest settings and START button automatically resumes the current operation.

Standard Size

Spectrolinker™ XL-1000 Series and Select™ XLE-Series

- Overall housing dimensions (W x H x D): 19.5" x 10.5" x 9", 49.5 x 26.7 x 22.9cm
- Effective inner chamber dimensions (W x H x D): 13.5" x 7.0" x 7.5", 34.3 x 17.8 x 19.1cm
- Door dimensions (W x H): 12.0" x 6.25", 30.5 x 15.9cm
- Viewing window dimensions (W x H): 6.0" x 2.5", 15.2 x 6.4cm for XL-series, 6.0" x 3.0", 15.2 x 7.6cm for XLE-series
- Net weight: 17.5 lb, 7.9kg
- Power: 120V-60Hz-2A, 230V-50Hz-2A, 100V-50/60Hz-2A

Model	Wavelength	Tubes
XL-1000, XLE-1000	254nm	(5) 8W SW, BLE-8T254
XL-1000A, XLE-1000A	365nm	(5) 8W LW, BLE-8T365
XL-1000B, XLE-1000B	312nm	(5) 8W MW, BLE-8T312

Large Size

Spectrolinker™ XL-1500 Series

- Overall housing dimensions (W x H x D): 24.0" x 10.5" x 14", 61.0 x 26.7 x 35.6cm
- Effective inner chamber dimensions (W x H x D): 18.25" x 6.25" x 12.5", 46.4 x 15.9 x 31.8cm
- Door dimensions (W x H): 16.0" x 6.25", 40.6 x 15.9cm
- Viewing window dimensions (W x H): 6.0" x 2.5", 15.2 x 6.4cm
- Net weight: 26 lb, 11.8kg
- Power: 120V-60Hz-3A, 230V-50Hz-3A, 100V-50/60Hz-3A

Model	Wavelength	Tubes
XL-1500	254nm	(6) 15W SW, BLE-1T155
XL-1500A	365nm	(6) 15W LW, BLE-1T151
XL-1500B	312nm	(6) 15W MW, BLE-1T158