

UV Crosslinker XEPU-1208 / XEPU-1215

The XEPU UV Crosslinker is an intelligent, efficient, microprocessor-controlled UV irradiation system. It is designed to provide a controlled amount of ultraviolet radiation within the exposure chamber. A unique UV sensor continually measures the UV energy and automatically adjusts to variations in UV intensity to deliver the set UV energy dose. The XEPU UV Crosslinkers are a powerful source of UV radiation for membrane blotting, DNA nicking, gene mapping, RecA screening, polymer curing, etc. The XEPU-1208 series is equipped with 8-watt UV tubes while the XEPU-1215 series uses 15-watt UV tubes.



XEPU-1208 Series



XEPU-1215 Series

Product Features

- 6 high-performance UV tubes provide ultra-uniform UV radiation
- Three operation modes: ENERGY, TIME, and PRESET
- Precise UV irradiation either in energy (Joules/cm²) or in time (seconds)
- Preset program for doses of 0.120 J/cm² for optimal nucleic acid immobilization
- Built-in sensor constantly measures UV intensity
- Reproducible dosing irrespective of space and time
- Spacious UV exposure chamber can hold multiple samples for higher efficiency
- Stop automatically when the set UV energy dose has been achieved
- Safety interlock door with UV blocking observation window

Three Operation Modes

TIME: 00.00 to 99.59 min, or 000.0–599.5 min

ENERGY: 0.000–9.999 J/cm², or 0.00–99.99 J/cm²

PRESET: 9 preset energy or time values

Applications

- Crosslinking of DNA and RNA to nylon or nitrocellulose membranes for Southern, Northern, Dot and Slot blots
- Nicking of ethidium bromide stained DNA in agarose gels
- Partial endonuclease digest by formation of cleavage-inhibiting thymine dimers (gene mapping)
- RecA mutation screening
- Elimination of PCR contamination
- UV sterilization and sanitization
- UV curing of polymers

Technical Data

XEPU-1208 Series UV Crosslinkers 8 watt

| Model | Wavelength | UV Tubes | Internal Dimension | External Dimension | Weight |
|------------|------------|------------|---|--|--------------------|
| XEPU-1208 | 254 nm | 6 x 8 watt | 32 x 26 x 15 cm (12.6 x 10.2 x 5.9 in) | 34 x 35 x 31 cm (13.4 x 13.8 x 12.2 in) | 10 kg (22 lbs.) |
| XEPU-1208M | 302 nm | | | | |
| XEPU-1208L | 365 nm | | | | |

XEPU-1215 Series UV Crosslinkers 15 watt

| Model | Wavelength | UV Tubes | Internal Dimension | External Dimension | Weight |
|------------|------------|-------------|---|--|----------------------|
| XEPU-1215 | 254nm | 6 x 15 watt | 44 x 34 x 15 cm (17.3 x 13.4 x 5.9 in) | 55 x 36 x 30 cm (21.7 x 14.2 x 11.8 in) | 12 kg (26.5 lbs.) |
| XEPU-1215M | 302nm | | | | |
| XEPU-1215L | 365nm | | | | |

Standard Set

UV Crosslinker, a pair of UV protection glasses XP-100, user manual, certificate, warranty card