

Lab Equipment

UCL-3200 UV Crosslinker

UCL-3200 UV Crosslinker is a complete, efficient, microprocessor-controlled ultraviolet irradiation system primarily used to link nucleic acids to membranes for blotting procedures and eliminate PCR contamination. Equipped with programmable microprocessors, UCL-3200 can continuously monitor ultraviolet light emission. Featuring aluminum diffuse reflective plate and a mirror UV irradiation chamber, UCL-3200 ensures uniform irradiation intensity inside the irradiation chamber while effectively protecting the sensor from chemical contamination.

UCL-3200 Applications

- UV induced mutation
- Eliminating PCR contamination and UV sterilization
- Screening for RecA mutations in Escherichia coli



- Membrane cross-linking of nucleic acids
- Biomolecular cross-linking
- DNA cutting in agarose gel

Product Features

• Microprocessor-controlled: Programmable microprocessor for real-time monitoring of UV intensity

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- Three modes of operation: Preset/ Energy/ Time modes
- Quick and fast: startup time < 1s, start with the chosen program before shutdown
- Beep reminder after cross-linking, automatically enters standby mode
- Uniform light intensity in the irradiation room

Technical Data

Model	UCL-3200	UCL-3200M	UCL-3200L	
Wavelength	254nm	302nm	365nm	
UV Tubes	6 tubes, 8w			
Preset Mode	9 sets of preset values			
Energy Mode	0.000-9.999 Joules or 0.00-99.99 Joules			
Time Mode	00.00-99.59 minutes or 000.0-599.5 minutes			
Environmental Conditions	15°C –35°C, 70% no condensing			
Surface Temperature	< 35°C			
Dimension	34cm x 35cm x 31cm (outside), 32cm x 26cm x 15cm (inside)			
Weight	10kg			
Operating Power	1230V AC, 50/60Hz			



Lab Equipment

UCL-3500 UV Crosslinker

UCL-3500 is a well-designed and versatile UV Crosslinker, which provides a safe, time-efficient solution with a controlled amount of ultraviolet radiation. Whether you are crosslinking DNA or RNA, conducting blotting analysis or UV curing, UCL-3500 allows you to obtain reliable results faster, reducing manual calibration time, unnecessary repetitive processes, and unexpected sample contamination.

Applications

- UV induced mutation
- Eliminating PCR contamination and UV sterilization
- Screening for RecA mutations in Escherichia coli
- Membrane cross-linking of nucleic acids
- Biomolecular cross-linking
- DNA cutting in agarose gel

Product Features

- Covalently binds nucleic acid sequences and hybridization membranes in less than 30 seconds.
- Easy to operate with 9 sets pf predefined values.
- Ensures accuracy with microprocessor controller.
- Protects users from UV exposure with fully enclosed chamber.

Technical Data

Model	UCL-3500	UCL-3500M	UCL-3500L	
Wavelength	254nm	302nm	365nm	
UV Tubes	6 tubes, 15w			
Preset Mode	9 sets of preset values			
Energy Mode	0.000-9.999 Joules or 0.00-99.99 Joules			
Time Mode	00.00-99.59 minutes or 000.0-599.5 minutes			
Environmental Conditions	15°C –35°C, 70% no condensing			
Surface Temperature	< 35°C			
Dimension	55cm x 36cm x 30cm (outside), 44cm x 34cm x 15cm (inside)			
Weight	12kg			
Operating Power	1230V AC, 50/60Hz			
UV Intensity	5,500-6,500 μw/cm ²			

