



UVILINK Ultraviolet crosslinker

The UVlink CL-508 Crosslinker is a fully microprocessor-controlled unit specially designed to give the best possible results when binding nucleic acids to membranes. The correct ultraviolet dosage can be set using the membrane keypad in either energy units (Joules) or time (seconds). There are nine possible presets for energy exposure and nine presets for time exposure as well as manual user selection.

- Programmable microprocessor control
- UV energy monitored automatically
- Compact footprint with large interior
- Observation window – UV blocking
- Membrane keypad operation
- Clear LED display
- Safety interlocked

Outstanding, high quality results in less time

Ultraviolet crosslinking of DNA and RNA to nylon or nitrocellulose membranes is now well established as a laboratory technique and there is a large amount of work published on the topic. Time saved from UV crosslinking compared with the conventional vacuum oven baking method is considerable – seconds or minutes as opposed to hours.

Small and safe without compromising efficiency

UVlink CL-508 is a compact unit occupying minimum bench space with a footprint of only 350 x 350 mm and a spacious interior chamber of 270 x 300 x 140 mm. As with all UVitec products safety is a major consideration so the CL-508 door is safety interlocked against opening during operation and the observation window in the door is ultraviolet-blocking. The ultraviolet energy is continuously monitored by an accurate, microprocessor-controlled, photo-feedback system which compensates for variation in output from the UV sources. In this way consistency of operation and maximum efficiency are maintained.

> Applications include:

- Fixing of nucleic acids to nylon or nitrocellulose membranes
- Southern or Northern blotting, dot blotting and colony or plaque lifts
- Elimination or reduction of PCR contamination
- Nicking ethidium bromide stained DNA in agarose gels
- Gene mapping for creating cleavage inhibiting thymine dimers
- Screening RecA mutation
- Ultraviolet curing of polymers, adhesives and inks
- Ultraviolet sterilisation

Specifications

Features	Description
UV source	5x8W, either in 254, 302 or 365nm Interchangeable wavelengths
Maximum time and energy	Maximum time exposure: 999.9 minutes Maximum energy exposure: 99.99 J (Joule) Two measurement ranges: 0 - 99.99 J or/and 0 - 9.999 J
Controls	Preset or manual controls for both energy and time exposure. 9 presets for both energy and time exposure.
Internal dimension	H145xD330xW260
External dimension	H305xD360xW350

Ordering

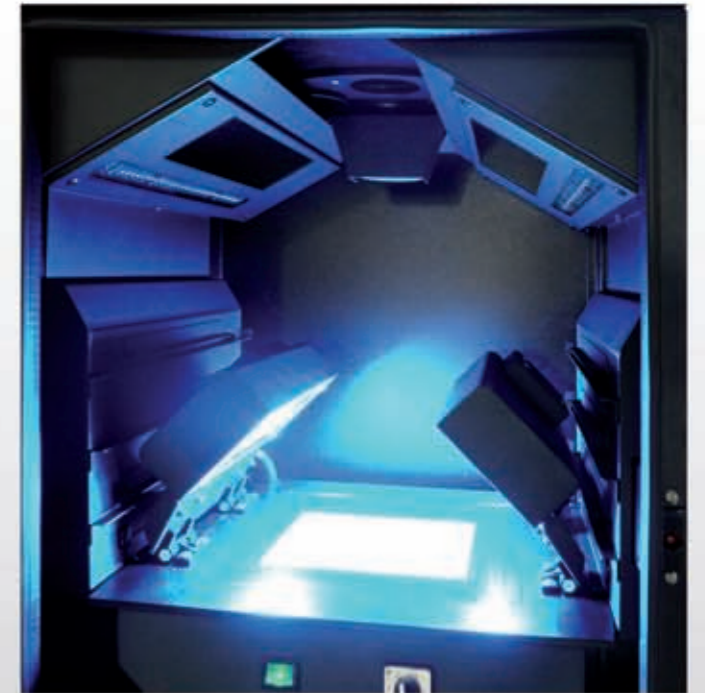
Model No.	Description	Wavelength
CL-508.G	Crosslinker shortwave	254
CL-508.M	Crosslinker midrange	302
CL-508.BL	Crosslinker longwave	365

EPI-BRIGHT Making light work

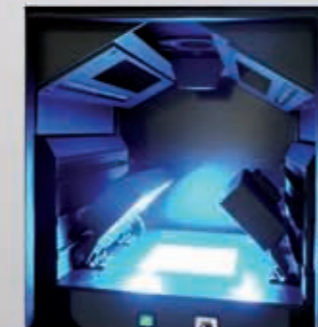
The Epibright RGB is an epi-illumination module with powerful red, green and blue focussed LED technology. This module can be simply fitted to our existing imaging systems and allows users to expand their applications to include multiplex Westerns, among many others (summarised in table below).

The Epibright RGB technology is uniquely designed to give the most focussed and intense excitation light in order to increase the probability of a successful analysis. Long life LEDs are organised in array in order to maximize the excitation energy on the sample, while the captured light is passed through emission filters to give images of the highest quality for further quantification and study.

Use of the Alliance range with the Epibright RGB module allows the automatic setting of filters, lens focus and exposure settings to ensure data consistency and ease of use.

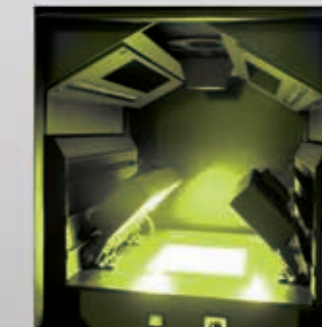


Fluorescence – Blue excitation



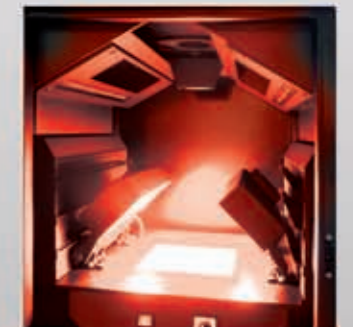
- SYBR Safe
- SYBR Green I
- SYBR Green II
- SYBR Gold
- FITC
- eGFP
- Cy2
- FAM
- Alexa Fluor 488
- DyLight 488
- SYPRO ruby
- eCFP
- Attophos

Fluorescence – Green excitation



- Alexa Fluor 532
- Alexa Fluor 546
- Cy3
- DyLight 549
- SYPRO Red
- Deep Purple
- Rhodamine Red

Fluorescence – Red excitation



- Alexa Fluor 635
- Cy5
- DyLight 649
- Bodipy 650
- Alexa Fluor 647

