

GLOWORM-2

Window size 15 (w) x 10 (l) cm

2 UVA tubes

- ✓ UV-transparent diffuser window
- ✓ Chromafilter to improve contrast of fluorescent bands and filter UV-light
- ✓ Switch for dual intensity of UV-light
- ✓ Compact trapezoid dark viewing hood
- ✓ Negligible photo-bleaching and photnicking of DNA
- ✓ Sensitivity 10 ng per band (Highly sensitive)
- ✓ 366 nm UVA is less hazardous to retina & skin than 302 nm UVB



Gloworm-2 and hood with chromafilter (right)

Designed for quick electrophoresis of bio-molecules in agarose
Use any horizontal apparatus to provide electrical conductivity

Features of this apparatus

Rugged

- Non-brittle filter made of plastic which does not crack easily
- No solarization i.e., UV-transparency of UV-transparent diffuser window is unchanged over time

High Sensitivity

- Visual detection limit 10 ng per compact band of EtBr stained dsDNA due to intensity of UVA tubes
- UV-transparent diffuser window allows 85-90% of the UV to pass through

Safety

- No skin burns or damage to normal retina's as UVA tubes emit light similar to light found outdoors
- Negligible phot-nicking or photo-bleaching of DNA due to use of lower energy UVA tubes
- Dual (Hi-Lo) mode for viewing. Go to Hi-mode only when required

Economical

- Low capital cost and spares
- Does not need costly UV-transparent violet filter

Ready-to-use system includes

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|---|----------|----------|
| 1. Housing unit with a diffusing UV-transparent window | 31-60002 | 31-60003 |
| 2. UV-protective cover | Y | Y |
| 3. UV-tubes (2 nos.) | Y | Y |
| 4. A compact trapezoid dark viewing hood with removable binocular chromafilter eyepiece | N | Y |
| 5. Instruction manual | Y | Y |

Ordering description

For Gloworm-2 (31-60002): UV-transilluminator with diffusing UV-transparent window (15 x 10 cm), two UVA tubes, and High-Low intensity control.

For Gloworm-2 with hood (31-60003): UV-transilluminator with diffusing UV-transparent window (15 x 10 cm), two UVA tubes, High-Low intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

SUGGESTION

Order along with Gloworm-8

Compact trapezoid viewing hood with ports to access gel (31-84128)

Gloworm and its spares and accessories

Item Description	Cat. No.	Unit
Gloworm-2, ready-to-use system	31-61002	System
Gloworm-2, ready-to-use system, with trapezoid hood fitted with binocular chromafilter eyepiece	31-60003	System
UVA tubes for Gloworm-2 (2 No.)	31-63092	Set
Electronic ballast for Gloworm-2 with wiring (1 no.)	31-00201	Set
Compact trapezoid dark viewing hood (for Gloworm-2)	31-71500	Unit
Compact trapezoid dark viewing hood (for Gloworm-2) with accessories for attachment of camera	31-73044	Unit
Detachable binocular chromafilter eyepiece for trapezoid dark viewing hood	31-81913	Piece
DSLR camera with filters and software compatible with Gloworm series of Transilluminators	CM-18MP	Set