

RESEARCHER RANGE

UV-TRANSILLUMINATORS SPECIAL FEATURES

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 one ng per compact band of EtBr stained ds DNA 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 photo-nicking or photo-bleaching of DNA due to use of lower energy UVA lights

Dual (Hi-lo) mode for viewing. Go to high mode only when required

ECONOMICAL

Low capital cost and spares

Does not need costly UV-transparent violet filter

GLOWORM-2

Window size 10 x 10 cm
2 UVA tubes

GLOWORM-4

Window size 10 x 10 cm
4 UVA tubes

GLOWORM-8

Window size 20 x 20 cm
8 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 photonicking of DNA
- ✓ Sensitivity 1 ng per band
- ✓ 366 nm UVA is less hazardous to retina & skin than 302 nm UVB

Ready-to-use system includes

1. Housing unit with a diffusing UV-Transparent window
2. UV-protective cover
3. UV-tubes (2 tubes in Gloworm-2; 4 tubes in Gloworm-4; 8 tubes in Gloworm-8)
4. Compact trapezoid dark viewing hood with removable binocular chromafilter eyepiece
5. Instruction manual

Suggestion
Order along with Gloworm-8

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

Ordering Description

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

For Gloworm-4: UV-transilluminator with diffusing UV-transparent window (10 x 10 cm), four UVA tubes Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-8: UV-transilluminator with diffusing UV-transparent window (20 x 20 cm), eight UVA tubes Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

Gloworm and its Spares and Accessories

Item Description	Catalogue No.	Unit
Gloworm-2, ready-to-use system	31-61002	System
Gloworm-4, ready-to-use system	31-61004	System
Gloworm-8, ready-to-use system	31-62008	System
UVA tubes for Gloworm-2 (2 No.)	31-63092	Set
UVA tubes for Gloworm-4 (4 No.)	31-63094	Set
UVA tubes for Gloworm-8 (8 No.)	31-63128	Set
Compact trapezoid dark viewing hood (for window size 10 x 10 cm) of base size 12 (l) x 12 (b), height 15 cm with detachable binocular chromafilter eyepiece for GLOWORM-2 & GLOWORM-4	31-71500	Unit
Compact trapezoid dark viewing hood (for window size 20 x 20 cm) of base size 28 (l) x 24 (b), height 22 cm with detachable binocular chromafilter eyepiece for GLOWORM-8	31-72200	Unit
Compact trapezoid dark viewing hood (for window size 20 x 20 cm) of base size 28 (l) x 24 (b), height 22 cm with detachable binocular chromafilter eyepiece and ports to access gel for GLOWORM-8	31-72201	Unit
Detachable binocular chromafilter eyepiece for trapezoid dark viewing hood	31-81913	Piece

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GEL VIU SELECTION GUIDE

All our Ready-to-use systems have:

- ✓ Hi-lo intensity control for UV-transillumination
- ✓ Computer controllable camera

Model GelViu Cat. No.	Trans-illumination	Epi-illumination	Camera megapixels	Glove ports for accessing gel	Binocular eyepiece (for simultaneous viewing and cutting)
32-12001	Yes	No	12	No	No
32-12002	Yes	No	12	Yes	Yes
32-12003	Yes	Yes	12	No	No
32-12004	Yes	Yes	12	Yes	Yes
32-18001	Yes	No	18	No	No
32-18002	Yes	No	18	Yes	Yes
32-18003	Yes	Yes	18	No	No
32-18004	Yes	Yes	18	Yes	Yes

*Power supply unit not included.

∞ Teeth spacing of comb is compatible with multi-channel micropipettes

The number of *combs per gel* and *wells per comb* are for our standard range of products
User defined trays, combs and accessories can be custom fabricated. Please enquire for further details

Manufactured and Marketed by **TechResource**

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GELVIU

Gel documentation system

- ✓ **UV-transparent window, 20 x 20 cm**
- ✓ **Switch for dual intensity of UV-light**
- ✓ **Compact viewing hood**
- ✓ **Ports to manually access gel for band excision (optional)**
- ✓ **Trans-illumination and epi-illumination (optional) for taking images in the UV and visible range**
- ✓ **366 nm UVA tubes**

System with client customized features

1. Lower housing unit with a UV-transparent window
2. Eight UVA-tubes
3. Two white light tubes for epi-illumination (optional)
4. A compact hood with attachment for camera
5. Ports to manually access the gel for band excision (optional)
6. Chromafilter for manual viewing (optional)
7. A digital colour camera with filters and CMOS sensor for capturing high resolution images in low light conditions
8. Instruction manual
 - *Software to be ordered separately

GelViu ready-to-use systems

Item Description	Catalogue No.	Unit
GelViu, ready-to-use gel documentation system. Trans-illumination with UVA light source and hi-lo light intensity control, 20 x 20 cm illumination area. Hood fitted with computer controllable 12 MP DSLR camera and filters, and software adapted for GelViu.	32-12001	System
GelViu, ready-to-use Gel doc system. Trans-illumination with UVA light source and hi-lo light intensity control, 20 x 20 cm trans-illumination area, hood with glove ports for accessing gel and binocular eyepiece for viewing gel being manipulated. Hood fitted with computer controllable 12 MP DSLR camera and filters, and software adapted for GelViu.	32-12002	System
GelViu, ready-to-use gel documentation system. Trans-illumination with UVA light source and hi-lo light intensity control, white light epi-illumination, 20 x 20 cm trans-illumination area. Hood fitted with computer controllable 12 MP DSLR camera and filters, and software adapted for GelViu.	32-12003	System
GelViu, ready-to-use gel documentation system. Trans-illumination with UVA light source and hi-lo light intensity control, white light epi-illumination, 20 x 20 cm trans-illumination area, hood with glove ports to access gel and binocular eyepiece for viewing gel being manipulated. Hood fitted with computer controllable 12 MP DSLR camera and filters, and software adapted for GelViu.	32-12004	System
GelViu, ready-to-use gel documentation system. Trans-illumination with UVA light source and hi-lo light intensity control, 20 x 20 cm illumination area. Hood fitted with computer controllable 18 MP DSLR camera and filters, and software adapted for GelViu.	32-18001	System
GelViu, ready-to-use Gel doc system. Trans-illumination with UVA light source and hi-lo light intensity control, 20 x 20 cm illumination area, hood with glove ports for accessing gel and binocular eyepiece for viewing gel being manipulated. Hood fitted with computer controllable 18 MP DSLR camera and filters, and software adapted for GelViu.	32-18002	System
GelViu, ready-to-use gel documentation system. Trans-illumination with UVA light source and hi-lo light intensity control, white light epi-illumination, 20 x 20 cm illumination area. Hood fitted with computer controllable 18 MP DSLR camera and filters, and software adapted for GelViu.	32-18003	System
GelViu, ready-to-use gel documentation system. Trans-illumination with UVA light source and hi-lo light intensity control, white light epi-illumination, 20 x 20 cm illumination area, hood with glove ports to access gel and binocular eyepiece for viewing gel being manipulated. Hood fitted with computer controllable 18 MP DSLR camera and filters, and software adapted for GelViu.	32-18004	System