

RESEARCHER RANGE UV TRANSILLUMINATORS SALIENT FEATURES



High Sensitivity

- Visual detection limit of 1 ng per compact band of EtBr-stained dsDNA due to high intensity of UV tubes
- UV-transparent diffuser window allows over 85-90% of the UV to pass through
- The optical bandpass filter allows 90-95% of the UV to pass through.

Safety

- No skin burns or damage to the retina 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
- UV safety shield prevents UV from escaping

Rugged

- Non-brittle filter made of plastic which does not crack easily. Optical bandpass filter is thick and does not break.
- No solarisation i.e UV transparency of UV diffuser window is unchanged over time and optical bandpass filters do not degrade easily due to UV

Economical

- Low capital cost with spares
- With additional spares, the UV transilluminators can be converted to a fully functional Geldoc.
- Does not need the expensive UV-transparent violet filter

RESEARCHER RANGE UV TRANSILLUMINATORS SELECTION GUIDE

Window size (in cm)	No. of UV Tubes (tube wattage)	Model	UV Wavelength	Filter type	Hood	Cat. No.		
10 (w) x 10 (l)	4 tubes (4 W each)	<u>FIREFLY-4 mini</u>	UVC	Optical Glass	No	TIFFR-OCG404		
					Yes	TIFFR-OCG405		
		<u>GLOFISH-4 mini</u>	UVB	Optical Glass	No	TIGFR-OBG404		
					Yes	TIGFR-OBG405		
		<u>GLOWORM-4 mini</u>	UVA	Plastic	No	TIGWR-OAP404		
					Yes	TIGWR-OAP405		
				Optical Glass	Yes	TIGWR-OAG405		
		<u>Combino-4 mini</u>	UVA & B	Optical Glass	Yes	TICBR-ABG405		
					UVA & C	Optical Glass	Yes	TICBR-ACG405
							UVB & C	Optical Glass
15 (w) x 10 (l)	2 (6 W each)	<u>GLOWORM-2</u>	UVA	Plastic	No	TIGWR-OAP602		
					Yes	TIGWR-OAP603		
	4 tubes (6 W each)	<u>GLOWORM-4</u>	UVA	Plastic	No	TIGWR-OAP604		
					Yes	TIGWR-OAP605		
18 (w) x 15 (l)	6 tubes (6 W each)	<u>FIREFLY-6</u>	UVC	Optical Glass	No	TIFFR-OCG606		
					Yes	TIFFR-OCG607		
		<u>GLOFISH-6</u>	UVB	Optical Glass	No	TIGFR-OBG606		
					Yes	TIGFR-OBG607		
		<u>GLOWORM-6</u>	UVA	Plastic	No	TIGWR-OAP606		
					Yes	TIGWR-OAP607		
				Optical Glass	Yes	TIGWR-OAG607		
		<u>Combino-6</u>	UVA & B	Optical Glass	Yes	TICBR-ABG607		
					UVA & C	Optical Glass	Yes	TICBR-ACG607
							UVB & C	Optical Glass

25 (w) x 20 (l)	8 tubes (8 W each)	<u>FIREFLY-8</u>	UVC	Optical Glass	No	TIFFR-OCG808
					Yes	TIFFR-OCG809
		<u>GLOFISH-8</u>	UVB	Optical Glass	No	TIGFR-OBG808
					Yes	TIGFR-OBG809
		<u>GLOWORM-8</u>	UVA	Plastic	No	TIGWR-OAP808
					Yes	TIGWR-OAP809
				Optical Glass	Yes	TIGWR-OAG809
		<u>Combino-8</u>	UVA & B	Optical Glass	Yes	TICBR-ABG809
			UVA & C	Optical Glass	Yes	TICBR-ACG809
			UVB & C	Optical Glass	Yes	TICBR-BCG809
25 (w) x 25 (l)	10 tubes (8 W each)	<u>GLOWORM-10</u>	UVA	Plastic	No	TIGWR-OAP810
					Yes	TIGWR-OAP811

The details above are for the new models of Firefly, Glofish, Gloworm and Combino

FIREFLY-4 MINI

Window size 10 x 10 cm
4 UVC tubes (4W each)

FIREFLY-6

Window size 18 x 15 cm
6 UVC tubes (6W each)

FIREFLY-8

Window size 25 x 20 cm
8 UVC tubes (8W each)



(Representational image)

- ✓ **An optical bandpass filter**
- ✓ **Chromafilter to improve the contrast of fluorescent bands and filter UV-light**
- ✓ **Switch for dual intensity of UV-light**
- ✓ **Compact trapezoid dark viewing hood**
- ✓ **Sensitivity 1ng per band**
- ✓ **254 nm UVC is excellent for the visualisation of nucleic acids than 302 UVB.**

Ready-to-use system includes

1. Housing unit with an optical glass bandpass filter
2. UV-protective cover
3. UVC-tubes (4 tubes in Firefly4-mini; 6 tubes in Firefly-6; 8 tubes in Firefly-8)
4. Compact trapezoid dark viewing hood with removable binocular chromafilter eyepiece
5. Instruction manual

Additional items:

1. Compact trapezoid viewing hood with ports to access the gel
2. Camera Attachment

Ordering Description

For Firefly 4 mini: UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), four UVC tubes, 4 W each, High-Low intensity control.

For Firefly 4 mini with hood: Firefly-4 mini, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), four UVC tubes, 4 W each, High-Low intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Firefly 6: UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), six UVC tubes, 6 W each, High-Low intensity control.

For Firefly 6 with hood: UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), six UVC tubes, 6 W each, High-Low intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Firefly-8: UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), eight UVC tubes, 8 W each, High-Low intensity control.

For Firefly 8 with hood: UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), eight UVC tubes, 8 W each, High-Low intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

Firefly and its spares and accessories

Item Description	Cat. No.	Unit
Firefly-4 mini, ready-to-use. UV-transilluminator with optical glass bandpass filter of size (10 w x 10 l cm), four UVC tubes, 4 W each, Hi-Lo intensity control.	TIFFR-0CG404	System
Firefly-4 mini, ready-to-use. UV-transilluminator with optical glass bandpass filter of size (10 w x 10 l cm), four UVC tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIFFR-0CG405	System

Item Description	Cat. No.	Unit
Firefly-6, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), six UVC tubes, 6 W each, Hi-Lo intensity control.	TIFFR-0CG606	System
Firefly-6, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), six UVC tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIFFR-0CG607	System
Firefly-8, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), eight UVC tubes, 8 W each, Hi-Lo intensity control.	TIFFR-0CG808	System
Firefly-8, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), eight UVC tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIFFR-0CG809	System
UVC tubes for Firefly-4 mini (4 No.).	TIC0S-UC0404	Set
UVC tubes for Firefly-6 (6 No.).	TIC0S-UC0606	Set
UVC tubes for Firefly-8 (8 No.).	TIC0S-UC0808	Unit
Electronic ballast for 4 W tubes with wiring (2 No.)	TIC0S-BA1102	Set
Electronic ballast for 6 W tubes with wiring (3 No.)	TIC0S-BA1803	Set
Electronic ballast for 8 W tubes with wiring (4 No.)	TIC0S-BA1804	Set
Compact trapezoid dark viewing hood for Firefly-4 mini.	TIC0S-H01010	Unit
Compact trapezoid dark viewing hood for Firefly-6	TIC0S-H01518	Unit
Compact trapezoid dark viewing hood for Firefly-8	TIC0S-H02025	Unit
Compact trapezoid dark viewing hood (with ports) for Firefly-8.	TIC0S-HP2025	Unit
Compact trapezoid dark viewing hood for Firefly-4 mini with accessories for attachment of camera.	TIC0S-HC1010	Unit
Compact trapezoid dark viewing hood for Firefly-6 with accessories for attachment of camera.	TIC0S-HC1518	Unit
Compact trapezoid dark viewing hood for Firefly-8 with accessories for attachment of camera.	TIC0S-HC2025	Unit
Detachable binocular chromafilter (orange) eyepiece for trapezoid dark viewing hood.	TIC0S-CF0R01	Piece
Detachable binocular chromafilter (green) eyepiece for trapezoid dark viewing hood.	TIC0S-CFGN01	Piece
DSLR camera, 18 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S18	Set
DSLR camera, 24 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S24	Set

GLOWORM-2

Window size 15 (w) x 10 (l) cm
2 UVA tubes



Gloworm-2 with chromafilter hood (Right)

GLOWORM-4 mini

Window size 10 (w) x 10 (l) cm
4 UVA tubes

GLOWORM-4

Window size 15 (w) x 10 (l) cm
4 UVA tubes

GLOWORM-6

Window size 18 (w) x 15 (l) cm
6 UVA tubes

GLOWORM-8

Window size 25 (w) x 20 (l) cm
8 UVA tubes

GLOWORM-10

Window size 25 (w) x 25 (l) cm
10 UVA tubes

- ✓ UV-transparent diffuser window
- ✓ Chromafilter to improve the contrast of fluorescent bands and filter UV-light
- ✓ Switch for dual intensity of UV-light
- ✓ Compact trapezoid dark viewing hood
- ✓ Negligible photo-bleaching and photo-nicking of DNA
- ✓ Sensitivity 1 ng per band (Highly sensitive)
- ✓ 366 nm UVA is less hazardous to the retina & skin than 302 nm UVB

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 1 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 the retina as UVA tubes emit light similar to light found outdoors
- Negligible photo-nicking or photo-bleaching of DNA due to the 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

1. Housing unit with a diffusing UV-transparent window or optical glass bandpass filter
2. UV-protective cover
3. UVA-tubes (as per model specifications)
4. Instruction manual
5. All models ending with odd numbers will have a compact trapezoid dark viewing hood with removable binocular chromafilter eyepiece

Ordering description

For Gloworm-2 (TIGWR-0AP602): UV-transilluminator with diffusing UV-transparent window (15 w x 10 l cm), two UVA tubes, 6 W each, Hi-Lo intensity control.

Gloworm -2 (TIGWR-0AP603): UV-transilluminator with diffusing UV-transparent window (15 w x 10 l cm), two UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-4 mini (TIGWR-0AP404): UV-transilluminator with diffusing UV-transparent window (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control.

For Gloworm-4 mini (TIGWR-0AP405): UV-transilluminator with diffusing UV-transparent window (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-4 mini (TIGWR-0AG404): UV-transilluminator with optical glass bandpass filter (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control.

For Gloworm-4 mini (TIGWR-0AG405): UV-transilluminator with optical glass bandpass filter (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-6 (TIGWR-0AP606): UV-transilluminator with diffusing UV-transparent window (18 w x 15 l cm), six UVA tubes, 6 W each, Hi-Lo intensity control.

For Gloworm-6 (TIGWR-0AP607): UV-transilluminator with diffusing UV-transparent window (18 w x 15 l cm), six UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-6 (TIGWR-0AG606): UV-transilluminator with optical glass bandpass filter (18 w x 15 l cm), six UVA tubes, 6 W each, Hi-Lo intensity control.

For Gloworm-6 (TIGWR-0AG607): UV-transilluminator with optical glass bandpass filter (18 w x 15 l cm), six UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-8 (TIGWR-0AP808): UV-transilluminator with diffusing UV-transparent window (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control.

For Gloworm-8 (TIGWR-0AP809): UV-transilluminator with diffusing UV-transparent window (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-8 (TIGWR-0AG808): UV-transilluminator with optical glass bandpass filter (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control.

For Gloworm-8 (TIGWR-0AG809): UV-transilluminator with optical glass bandpass filter (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Gloworm-10 (TIGWR-0AP810): UV-transilluminator with diffusing UV-transparent window (25 w x 25 l cm), ten UVA tubes, 8 W each Hi-Lo intensity control.

For Gloworm-10 (TIGWR-0AP811): UV-transilluminator with diffusing UV-transparent window (25 w x 25 l cm), ten UVA tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

Gloworm and its spares and accessories

Item Description	Cat. No.	Unit
Gloworm-2, ready-to-use. UV-transilluminator with diffusing UV-transparent window (15 w x 10 l cm), two UVA tubes, 6 W each, Hi-Lo intensity control.	TIGWR-0AP602	System
Gloworm-2, ready-to-use. UV-transilluminator with diffusing UV-transparent window (15 w x 10 l cm), two UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AP603	System
Gloworm-4 mini, ready-to-use. UV-transilluminator with diffusing UV-transparent window (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control.	TIGWR-0AP404	System
Gloworm-4 mini, ready-to-use. UV-transilluminator with diffusing UV-transparent window (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AP405	System
Gloworm-4 mini, ready-to-use. UV-transilluminator with optical glass bandpass filter (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control.	TIGWR-0AG404	System
Gloworm-4 mini, ready-to-use. UV-transilluminator with optical glass bandpass filter (10 w x 10 l cm), four UVA tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AG405	System
Gloworm-4, ready-to-use. UV-transilluminator with diffusing UV-transparent window (15 w x 10 l cm), four UVA tubes, 6 W each, Hi-Lo intensity control.	TIGWR-0AP604	System
Gloworm-4, ready-to-use. UV-transilluminator with diffusing UV-transparent window (15 w x 10 l cm), four UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AP605	System
Gloworm-6, ready-to-use. UV-transilluminator with diffusing UV-transparent window (18 w x 15 l cm), six UVA tubes, 6 W each, Hi-Lo intensity control.	TIGWR-0AP606	System
Gloworm-6, ready-to-use. UV-transilluminator with diffusing UV-transparent window (18 w x 15 l cm), four UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AP607	System
Gloworm-6, ready-to-use. UV-transilluminator with optical glass bandpass filter (18 w x 15 l cm), six UVA tubes, 6 W each, Hi-Lo intensity control.	TIGWR-0AG606	System
Gloworm-6, ready-to-use. UV-transilluminator with optical glass bandpass filter (18 w x 15 l cm), six UVA tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AG607	System
Gloworm-8, ready-to-use. UV-transilluminator with diffusing UV-transparent window (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control.	TIGWR-0AP808	System
Gloworm-8, ready-to-use. UV-transilluminator with diffusing UV-transparent window (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AP809	System
Gloworm-8, ready-to-use. UV-transilluminator with optical glass bandpass filter (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control.	TIGWR-0AG808	System
Gloworm-8, ready-to-use. UV-transilluminator with optical glass bandpass filter (25 w x 20 l cm), eight UVA tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AG809	System
Gloworm-10, ready-to-use. UV-transilluminator with diffusing UV-transparent window (25 w x 25 l cm), ten UVA tubes, 8 W each Hi-Lo intensity control.	TIGWR-0AP810	System
Gloworm-10, ready-to-use. UV-transilluminator with diffusing UV-transparent window (25 w x 25 l cm), ten UVA tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGWR-0AP811	System
UVA tubes for Gloworm-2 (2 No.).	TIC0S-UA0602	Set
UVA tubes for Gloworm-4 mini (4 No.).	TIC0S-UA0404	Set
UVA tubes for Gloworm-4 (4 No.).	TIC0S-UA0604	Set
UVA tubes for Gloworm-6 (6 No.).	TIC0S-UA0606	Set
UVA tubes for Gloworm-8 (8 No.).	TIC0S-UA0808	Set
UVA tubes for Gloworm-10 (10 No.).	TIC0S-UA0810	Set
Electronic ballast (1 No.) which powers two 6 W tubes (with wiring)	TIC0S-BA1801	Set
Electronic ballast (2 Nos.) each of which powers two 4W tubes (with wiring)	TIC0S-BA1102	Set
Electronic ballast (2 Nos.) each of which powers two 6W tubes (with wiring)	TIC0S-BA1802	Set
Electronic ballast (3 Nos.) each of which powers two 6W tubes (with wiring)	TIC0S-BA1803	Set
Electronic ballast (4 Nos.) each of which powers two 8W tubes (with wiring)	TIC0S-BA1804	Set

Item Description	Cat. No.	Unit
Electronic ballast (5 Nos.) each of which powers two 8W tubes (with wiring)	TIC0S-BA1805	Set
Compact trapezoid dark viewing hood (for Gloworm-2)	TIC0S-H01015	Unit
Compact trapezoid dark viewing hood (for Gloworm-4 mini)	TIC0S-H01010	Unit
Compact trapezoid dark viewing hood (for Gloworm-4)	TIC0S-H01015	Unit
Compact trapezoid dark viewing hood (for Gloworm-6)	TIC0S-H01518	Unit
Compact trapezoid dark viewing hood (for Gloworm-8)	TIC0S-H02025	Unit
Compact trapezoid dark viewing hood (for Gloworm-10)	TIC0S-H02525	Unit
Compact trapezoid dark viewing hood (for Gloworm-8) with ports	TIC0S-HP2025	Unit
Compact trapezoid dark viewing hood (for Gloworm-10) with ports	TIC0S-HP2525	Unit
Compact trapezoid dark viewing hood (for Gloworm-4 mini) with accessories for attachment of camera	TIC0S-HC1010	Unit
Compact trapezoid dark viewing hood for Gloworm-2 and Gloworm-4 with accessories for attachment of camera.	TIC0S-HC1015	Unit
Compact trapezoid dark viewing hood for Gloworm-6 with accessories for attachment of camera.	TIC0S-HC1518	Unit
Compact trapezoid dark viewing hood for Gloworm-8 with accessories for attachment of camera.	TIC0S-HC2025	Unit
Compact trapezoid dark viewing hood for Gloworm-10 with accessories for attachment of camera.	TIC0S-HC2525	Unit
Detachable binocular chromafilter (orange) eyepiece for trapezoid dark viewing hood.	TIC0S-CF0R01	Piece
Detachable binocular chromafilter (green) eyepiece for trapezoid dark viewing hood.	TIC0S-CFGN01	Piece
DSLR camera, 18 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S18	Set
DSLR camera, 24 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S24	Set

GLOFISH-4 MINI

Window size 10 w x 10 l cm
4 UVB tubes (4W each)

GLOFISH-6

Window size 18 w x 15 l cm
6 UVB tubes (6W each)

GLOFISH-8

Window size 25 w x 20 l cm
8 UVB tubes (8W each)



(Representational image)

- ✓ **An optical bandpass filter**
- ✓ **Chromafilter to improve the contrast of fluorescent bands and filter UV-light**
- ✓ **Switch for dual intensity of UV-light**
- ✓ **Compact trapezoid dark viewing hood**
- ✓ **Sensitivity 1ng per band**
- ✓ **310 nm UVB gives better visualisation of nucleic acids than 366 nm UVA.**

Ready-to-use system includes

1. Housing unit with an optical glass bandpass filter
2. UV-protective cover
3. UVC-tubes (4 tubes in Glofish4-mini; 6 tubes in Glofish-6; 8 tubes in Glofish-8)
4. Compact trapezoid dark viewing hood with removable binocular chromafilter eyepiece
5. Instruction manual

Additional items:

1. Compact trapezoid viewing hood with ports to access the gel
2. Camera Attachment

Ordering Description

For Glofish-4 mini (TIGFR-OBG404): UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), four UVB tubes, 4 W each, Hi-Lo intensity control.

For Glofish-4 mini with hood (TIGFR-OBG405): UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), four UVB tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Glofish-6 (TIGFR-OBG606): UV-transilluminator with an optical glass bandpass filter (18 w x 15 l cm), six UVB tubes, and High-Low intensity control.

For Glofish-6 with hood (TIGFR-OBG607): UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), six UVB tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Glofish-8 (TIGFR-OBG808): UV-transilluminator with an optical glass bandpass filter (25 w x 20 l cm), six UVB tubes, and High-Low intensity control.

For Glofish-8 with hood (TIGFR-OBG809): UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), six UVB tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

Glofish and its spares and accessories

Item Description	Cat. No.	Unit
Glofish-4 mini, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), four UVB tubes, 4 W each, Hi-Lo intensity control.	TIGFR-0BG404	System
Glofish-4 mini, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), four UVB tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece	TIGFR-0BG405	System
Glofish-6, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), six UVB tubes, 6 W each, Hi-Lo intensity control.	TIGFR-0BG606	System
Glofish-6, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), six UVB tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece	TIGFR-0BG607	System
Glofish-8, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), eight UVB tubes, 8 W each, Hi-Lo intensity control.	TIGFR-0BG808	System
Glofish-8, ready-to-use. UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), eight UVB tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TIGFR-0BG809	System
UVB tubes for Glofish-4 mini (4 No.).	TIC0S-UB0404	Set
UVB tubes for Glofish-6 (6 No.).	TIC0S-UB0606	Set
UVB tubes for Glofish-8 (8 No.).	TIC0S-UB0808	Unit
Electronic ballast for 4 W tubes with wiring (2 No.)	TIC0S-BA1102	Set
Electronic ballast for 6 W tubes with wiring (3 No.)	TIC0S-BA1803	Set
Electronic ballast for 8 W tubes with wiring (4 No.)	TIC0S-BA1804	Set
Compact trapezoid dark viewing hood for Glofish-4 mini.	TIC0S-H01010	Unit
Compact trapezoid dark viewing hood for Glofish-6.	TIC0S-H01518	Unit
Compact trapezoid dark viewing hood for Glofish-8.	TIC0S-H02025	Unit
Compact trapezoid dark viewing hood (with ports) for Glofish-8.	TIC0S-HP2025	Unit
Compact trapezoid dark viewing hood for Glofish-4 mini with accessories for attachment of camera.	TIC0S-HC1010	Unit
Compact trapezoid dark viewing hood for Glofish-6 with accessories for attachment of camera.	TIC0S-HC1518	Unit
Compact trapezoid dark viewing hood for Glofish-8 with accessories for attachment of camera.	TIC0S-HC2025	Unit
Detachable binocular chromafilter (orange) eyepiece for trapezoid dark viewing hood.	TIC0S-CF0R01	Piece
Detachable binocular chromafilter (green) eyepiece for trapezoid dark viewing hood.	TIC0S-CFGN01	Piece
DSLR camera, 18 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S18	Set
DSLR camera, 24 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S24	Set

COMBINO-4 MINI

Multi-wavelength UVA/ UVB/ UVC

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

4 UV tubes of 4 W each



Combino-4 mini
(Representational Image)

- ✓ UV-bandpass optical glass filter
- ✓ Switch for dual intensity of UV-light
- ✓ Compact trapezoid dark viewing hood with chromafilter
- ✓ Chromafilter to improve contrast of fluorescent bands and filter UV-light
- ✓ Sensitivity 1 ng per band (Highly sensitive)
- ✓ 254 nm UVC gives excellent visualization
- ✓ 310 nm UVB gives good visualization w/o extensive DNA damage
- ✓ 366 nm UVA gives good visualization without damaging DNA

Features of this apparatus

Rugged

- Aluminium body to prevent corrosion
- No solarization i.e., UV-transparency of UV-filter optical glass window is unchanged over time

High Sensitivity

- Visual detection limit 1 ng per compact band of EtBr-stained dsDNA due to the intensity of the UV tubes
- UV filter allows 90% of the UV to pass through
- Chromafilter to improve contrast

Safety

- Switch on any one UV wavelength
- UV shield to protect face and to cut off harmful rays
- Dual (Hi-Lo) mode for viewing. Go to Hi-mode only when required

Economical

- Low capital cost and spares
- Most economical model compared to the features provided

Ready-to-use system includes

	TICBR-ABG405	TICBR-ACG405	TICBR-BCG405
1. Housing unit with a UV-optical bandpass window	Yes	Yes	Yes
2. UV-protective cover	Yes	Yes	Yes
3. UVA-tubes	2 tubes	2 tubes	-
4. UVB-tubes	2 tubes	-	2 tubes
5. UVC-tubes	-	2 tubes	2 tubes
6. A compact trapezoid dark viewing hood with chromafilter (orange) eyepiece	Yes	Yes	Yes
7. Instruction manual	Yes	Yes	Yes

Ordering description

For Combino-4 mini (TICBR-ABG405): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), two UVA and two UVB tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Combino-4 mini (TICBR-ACG405): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), two UVA and two UVC tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Combino-4 mini (TICBR-BCG405): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), two UVB and two UVC tubes, 4 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

Combino-4 mini and its spares and accessories

Item Description	Cat. No.	Unit
Combino 4 - mini, with UVA and UVB tubes, ready-to-use system	TICBR-ABG405	System
Combino 4 - mini, with UVA and UVC tubes, ready-to-use system	TICBR-ACG405	System
Combino 4 - mini, with UVB and UVC tubes, ready-to-use system	TICBR-BCG405	System
UVA tubes for Combino 4 - mini (2 nos. each).	TIC0S-UA0402	Set
UVB tubes for Combino 4 - mini (2 nos. each).	TIC0S-UB0402	Set
UVC tubes for Combino 4 - mini (2 nos. each).	TIC0S-UC0402	Set
Electronic ballast for 4 W tubes with wiring (2 No.)	TIC0S-BA1102	Set
Compact trapezoid dark viewing hood (for Combino-4 mini)	TIC0S-H01010	Unit
Compact trapezoid dark viewing hood for Combino 4 - mini with accessories for attachment of camera.	TIC0S-HC1010	Unit
Detachable binocular chromafilter (orange) eyepiece for trapezoid dark viewing hood.	TIC0S-CF0R01	Piece
Detachable binocular chromafilter (green) eyepiece for trapezoid dark viewing hood.	TIC0S-CFGN01	Piece
DSLR camera, 18 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S18	Set
DSLR camera, 24 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S24	Set

COMBINO-6

Multi-wavelength UVA/ UVB/ UVC

Window size 15 (w) x 18 (l) cm

6 UV tubes of 6 W each



- ✓ **UV-bandpass optical glass filter**
- ✓ **Switch for dual intensity of UV-light**
- ✓ **Compact trapezoid dark viewing hood with chromafilter**
- ✓ **Chromafilter to improve contrast of fluorescent bands and filter UV-light**
- ✓ **Sensitivity 1 ng per band (Highly sensitive)**
- ✓ **254 nm UVC gives excellent visualization**
- ✓ **310 nm UVB gives good visualization w/o extensive DNA damage**
- ✓ **366 nm UVA gives good visualization without damaging DNA**

Combino-6
(Representational Image)

Features of this apparatus

Rugged

- Aluminium body to prevent corrosion
- No solarization i.e., UV-transparency of UV-filter optical glass window is unchanged over time

High Sensitivity

- Visual detection limit 1 ng per compact band of EtBr-stained dsDNA due to intensity of UV tubes
- UV-filter allows 90% of the UV to pass through
- Chromafilter to improve contrast

Safety

- Switch on any one UV wavelength
- UV shield to protect face and to cut off harmful rays
- Dual (Hi-Lo) mode for viewing. Go to Hi-mode only when required

Economical

- Low capital cost and spares
- Most economical model compared to the features provided

Ready-to-use system includes

	TICBR-ABG607	TICBR-ACG607	TICBR-BCG607
1. Housing unit with a UV-optical bandpass window	Yes	Yes	Yes
2. UV-protective cover	Yes	Yes	Yes
3. UVA-tubes	3 tubes	3 tubes	-
4. UVB-tubes	3 tubes	-	3 tubes
5. UVC-tubes	-	3 tubes	3 tubes
6. A compact trapezoid dark viewing hood with chromafilter (orange) eyepiece	Yes	Yes	Yes
7. Instruction manual	Yes	Yes	Yes

Ordering description

For Combino-6 (TICBR-ABG607): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), three UVA and three UVB tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Combino-6 (TICBR-ACG607): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), three UVA and three UVC tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Combino-6 (TICBR-BCG607): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), three UVB and three UVC tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

SUGGESTION

Order along with Combino-6

Compact trapezoid viewing hood with camera attachment (TIC0S-HC1010)

Combino-6 and its spares and accessories

Item Description	Cat. No.	Unit
Combino 6, ready-to-use. Two wavelength UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), three UVA and three UVB tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TICBR-ABG607	System
Combino 6, ready-to-use. Two wavelength UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), three UVA and three UVC tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TICBR-ACG607	System
Combino 6, ready-to-use. Two wavelength UV-transilluminator with an optical glass bandpass filter of size (18 w x 15 l cm), three UVB and three UVC tubes, 6 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TICBR-BCG607	System
UVA tubes for Combino 6 (3 nos. each)	TIC0S-UA0603	System
UVB tubes for Combino 6 (3 nos. each).	TIC0S-UB0603	System
UVC tubes for Combino 6 (3 nos. each).	TIC0S-UC0603	System
Electronic ballast for Combino-6 with wiring (3 nos.)	TIC0S-BA1803	Set
Compact trapezoid dark viewing hood (for Combino-6)	TIC0S-H01518	Unit
Compact trapezoid dark viewing hood for Combino - 6 with accessories for attachment of camera.	TIC0S-HC1518	Unit
Detachable binocular chromafilter eyepiece (orange) for trapezoid dark viewing hood	TIC0S-CF0R01	Piece
Detachable binocular chromafilter (green) eyepiece for trapezoid dark viewing hood.	TIC0S-CFGN01	Piece
DSLR camera, 18 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S18	Set
DSLR camera, 24 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S24	Set

COMBINO-8

Multi-wavelength UVA/ UVB/ UVC

Window size 25 (w) x 20 (l) cm

8 UV tubes of 8 W each

- ✓ UV-bandpass optical glass filter
- ✓ Switch for dual intensity of UV-light
- ✓ Compact trapezoid dark viewing hood with chromafilter
- ✓ Chromafilter to improve the contrast of fluorescent bands and filter UV-light
- ✓ Sensitivity 1 ng per band (Highly sensitive)
- ✓ 254 nm UVC gives excellent visualization
- ✓ 310 nm UVB gives good visualization without extensive DNA damage
- ✓ 366 nm UVA gives good visualization without damaging DNA



Combino-8
(Representational Image)

Features of this apparatus

Rugged

- Aluminium body to prevent corrosion
- No solarization i.e., UV-transparency of UV-filter optical glass window is unchanged over time

High Sensitivity

- Visual detection limit 1 ng per compact band of EtBr-stained dsDNA due to intensity of the UV tubes
- UV filter allows 90% of the UV to pass through
- Chromafilter to improve contrast

Safety

- Switch on any one UV wavelength
- UV shield to protect face and to cut off harmful rays
- Dual (Hi-Lo) mode for viewing. Go to Hi-mode only when required

Economical

- Low capital cost and spares
- Most economical model compared to the features provided

Ready-to-use system includes

	TICBR-ABG809	TICBR-ACG808	TICBR-ACG809	TICBR-BCG808	TICBR-BCG809
1. Housing unit with a UV-optical bandpass window	Yes	Yes	Yes	Yes	Yes
2. UV-protective cover	Yes	Yes	Yes	Yes	Yes
3. UVA-tubes	4 tubes	4 tubes	4 tubes	-	-
4. UVB-tubes	4 tubes	-	-	4 tubes	4 tubes
5. UVC-tubes	-	4 tubes	4 tubes	4 tubes	4 tubes
6. A compact trapezoid dark viewing hood with chromafilter (orange) eyepiece	Yes	Yes	No	No	Yes
7. Instruction manual	Yes	Yes	Yes	Yes	Yes

Ordering description

For Combino-8 (TICBR-ABG809): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), four UVA and four UVB tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Combino-8 (TICBR-ACG808): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), four UVA and four UVC tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

For Combino-8 (TICBR-BCG809): Two-wavelength UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), four UVB and four UVC tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.

SUGGESTION

Order along with Combino-8

Compact trapezoid viewing hood with camera attachment (TIC0S-H02025)

Combino-8 and its spares and accessories

Item Description	Cat. No.	Unit
Combino-8, ready-to-use system, Two wavelength UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), four UVA and four UVB tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TICBR-ABG809	System
Combino-8, ready-to-use system, Two wavelength UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), four UVA and four UVC tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TICBR-ACG808	System
Combino-8, ready-to-use system, Two wavelength UV-transilluminator with an optical glass bandpass filter of size (25 w x 20 l cm), four UVB and four UVC tubes, 8 W each, Hi-Lo intensity control and trapezoid hood fitted with binocular chromafilter eyepiece.	TICBR-BCG809	System
UVA tubes for Combino 8 (4 nos. each).	TIC0S-UA0804	Set
UVB tubes for Combino 8 (4 nos. each).	TIC0S-UB0804	Set
UVC tubes for Combino 8 (4 nos. each).	TIC0S-UC0804	Set
Electronic ballast for 8 W tubes with wiring (4 No.)	TIC0S-BA1804	Set
Compact trapezoid dark viewing hood for Combino 8.	TIC0S-H02025	Unit
Compact trapezoid dark viewing hood (with ports) for Combino 8.	TIC0S-HP2025	Unit
Compact trapezoid dark viewing hood for Combino-8 with accessories for attachment of camera.	TIC0S-HC2025	Unit
Detachable binocular chromafilter eyepiece (orange) for trapezoid dark viewing hood	TIC0S-CF0R01	Piece
Detachable binocular chromafilter (green) eyepiece for trapezoid dark viewing hood.	TIC0S-CFGN01	Piece
DSLR camera, 18 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S18	Set
DSLR camera, 24 MP, CMOS sensor, with filters and software compatible with transilluminators.	TIC0S-CM0S24	Set