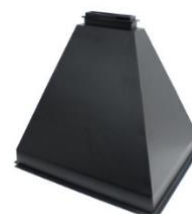


## DUO – 4 mini

**Dual Window, each of  
size 10 (w) x 10 (l) cm  
4 UVA/UVB/UVC tubes  
4 White light tubes**



Duo-4 mini  
(Representational Image)

- ✓ **Dual windows: UV-transparent diffuser and white light window**
- ✓ **Chromafilter to improve the contrast of fluorescent bands and filter UV-light**
- ✓ **Compact trapezoid dark viewing hood**
- ✓ **Switch for dual intensity of UV-light**
- ✓ **Knob for changing the intensity of light from low to max for the white light**
- ✓ **Sensitivity 1 ng per band (Highly sensitive)**
- ✓ **White background for applications like viewing protein gels**
- ✓ **High-intensity LEDs for the white light**

### 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
- Best quality switches and LEDs for long-term use
- Robust circuits to supply constant current to LEDs

#### High Sensitivity

- Visual detection limit 1 ng per compact band of EtBr-stained dsDNA due to the intensity of the UVA tubes
- UV-transparent diffuser window allows 85-90% of the UV to pass through
- Non-flickering white light
- Colour temperature of white light selected for best contrast

#### Safety

- No skin burns or damage to the retina. UVA tubes emit light similar to outdoor light
- Negligible photo-nicking or photo-bleaching of DNA when using UVA tubes
- 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
- Does not need costly UV-transparent violet filter
- Minimal cost of spares and accessories
- Three-year warranty for ensuring peace of mind.

### Ready-to-use system includes

	TID0R-WAP405	TID0R-WAG405	TID0R-WBG405	TID0R-WCG405
1. Housing unit with a diffusing UV-transparent window and white light window	Yes	Yes	Yes	Yes
2. UV-protective cover	Yes	Yes	Yes	Yes
3. Number of tubes	4 tubes	4 tubes	4 tubes	4 tubes
4. 366 nm UVA tube	Y	Y	N	N
310 nm UVB tube	N	N	Y	N
254 nm UVC tube	N	N	N	Y
4. White light tubes	4 tubes	4 tubes	4 tubes	4 tubes
4. A compact trapezoid dark viewing hood with chromafilter eyepiece	No	No	No	No
5. Instruction manual	Yes	Yes	Yes	Yes

### Ordering description

**For Duo-4 mini (TID0R-WAP405):** Combined white light and UV-transilluminator with diffusing UV-transparent window (10 w x 10 l cm), dimmable white light LEDs and four UVA tubes, 4 W each, Hi-Lo intensity control for UV light and trapezoid hood fitted with binocular chromafilter eyepiece.

**For Duo-4 mini (TID0R-WAG405):** Combined white light and UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), dimmable white light LEDs and four UVA tubes, 4 W each, Hi-Lo intensity control for UV light and trapezoid hood fitted with binocular chromafilter eyepiece.

**For Duo-4 mini (TID0R-WBG405):** Combined white light and UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), dimmable white light LEDs and four UVB tubes, 4 W each, Hi-Lo intensity control for UV light and trapezoid hood fitted with binocular chromafilter eyepiece.

**For Duo-4 mini (TID0R-WCG405):** Combined white light and UV-transilluminator with an optical glass bandpass filter of size (10 w x 10 l cm), dimmable white light LEDs and four UVC tubes, 4 W each, Hi-Lo intensity control for UV light and trapezoid hood fitted with binocular chromafilter eyepiece.

### Duo-4 mini and its spares and accessories

Item Description	Cat. No.	Unit
Duo-4 mini, with UVA tubes, ready-to-use system	TID0R-WAP405	System
Duo-4 mini, with UVA tubes, ready-to-use system with hood	TID0R-WAG405	System
Duo-4 mini, with UVB tubes, ready-to-use system with hood	TID0R-WBG405	System
Duo-4 mini, with UVC tubes, ready-to-use system with hood	TID0R-WCG405	System
UVA tubes for Duo-4 mini (4 No.)	TIC0S-UA0404	Set
UVB tubes for Duo-4 mini (4 No.).	TIC0S-UB0404	Set
UVC tubes for Duo-4 mini (4 No.).	TIC0S-UC0404	Set
White light LED strip for Duo-4 mini (1 No.).	TIC0S-WLS0M4	Set
Electronic ballast for 4 W tubes with wiring (2 No.)	TIC0S-BA1102	Set
Electronic LED driver and dimmer with wiring for window size 10 x 10 (1 No.)	TIC0S-DD00M4	Set
Compact trapezoid dark viewing hood for Duo-4 mini.	TIC0S-H01010	Unit
Compact trapezoid dark viewing hood for Duo-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