

## UV Transilluminators

Blue Light LED and White Light LED models → see page 8



### ➤ Advantages of the Herolab UV Transilluminators:

- **Homogenous** illumination of samples through special reflectors of refined aluminum
- Effective use of the **high intensity** of the tubes
- **Herolab LongLife® Electronics:** Low heat generation, quick start without flickering, long lifetime
- Stainless steel filter frame, powder-coated housing, counter-sunk switches

### ➤ Models in many different variations:

#### Two different Filters:

**High Contrast Filter plate → HC**

- **High Contrast for better recognition of bands**
- Improved contrast with all fluorophores

or: inexpensive Standard Filter plate

#### Three different classes:

##### 1. Standard class – For all applications

- Standard housing with
- Intensity switch 100 % - 75 % (not included with UVT-14)
- Adjustable UV protection shield inclusive

##### 2. Economy class – Good quality and inexpensive →E

- Economy housing
- UV protection shield as option, only!

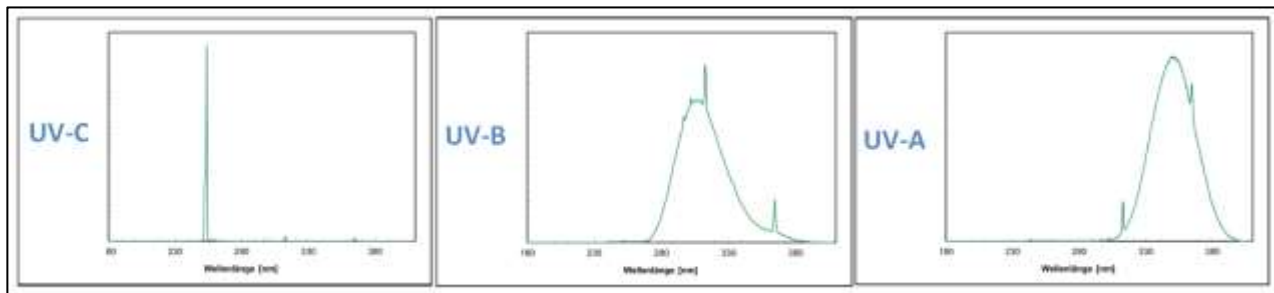


### 3. Advanced class – Multiwave or variable intensity control

- Standard housing
- Duo: with two wavelengths / Trio: with three wavelengths in one unit →S/M/L
- Every combination of wavelengths is possible
- With intensity switch 100 % - 75 % or with variable electronic intensity control →V
- Adjustable UV protection shield inclusive



#### Three different wavelengths:



Short wavelength **S**  
254nm

Mid wavelength **M**  
302/312 nm

Long wavelength **L**  
365 nm

#### Five different sizes:

**UVT-14** – Filter size 11 x 14 cm: Dimensions of the housing: 266 x 186 x 80 mm

**UVT-22** – Filter size 14 x 22 cm: Dimensions of the housing: 266 x 186 x 80 mm

**UVT-20** – Filter size 20 x 20 cm: Dimensions of the housing: 470 x 340 x 135 mm  
or 310 x 316 x 80 mm (Economy)

**UVT-28** – Filter size 22 x 28 cm: Dimensions of the housing: 470 x 340 x 135 mm  
or 310 x 316 x 80 mm (Economy)

**UVT-40** – Filter size 20 x 40 cm: Dimensions of the housing: 470 x 340 x 135 mm  
or 310 x 316 x 80 mm (Economy)

→ All models are available in 115 V, as well.

All Herolab products have the CE sign. The transilluminators are built according to DIN EN 61010-1.  
Herolab reserves the right for technical changes without prior notice.

## UV Protection



**Caution:**

UV light is dangerous for your eyes and your skin.  
Always wear an adequate UV protection.



Cat. No.	Description
29 59 298	UV Protection Shield with hinges for Economy Transilluminators UVT-14 and UVT-22
29 70 098	UV Protection Shield with hinges for Economy Transilluminators UVT-20 and UVT-28
<b>29 93 100</b>	UV Protection Glasses
<b>29 93 000</b>	UV Full Face Protection



## RadiCon®-Plates

Konverter UV Light to visible Light

Cat. No.	For Filter size
29 86 000	11 x 14 cm
29 86 114	14 x 22 cm
29 86 100	20 x 20 cm
29 86 200	22 x 28 cm
29 86 300	20 x 40 cm



White Light LED or Blue Light LED Transilluminators → see page 8

## Filter protection plates

Put the **Filter protection plate** which is made from 3 mm strong acrylic glass to protect the filter against mechanical damage. **This plate does not provide any UV protection!**

**Always wear adequate UV protection!**



Cat. No.	For Filter size
29 87 000	11 x 14 cm
29 87 050	14 x 22 cm
29 87 100	20 x 20 cm
29 87 200	22 x 28 cm
29 87 300	20 x 40 cm

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*Manufacturer of Life Science  
Instruments since 1979*

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## Models:

Cat. No. 230 V	Model	Class	Filter size	Wavelength	Number of tubes	Dimension of the housing
29 61 100	UVT-14 SE	Economy	11 x 14 cm	254 nm	4 x 6 W	266 x 186 x 80 mm
29 61 200	UVT-14 ME	Economy	11 x 14 cm	312 (302) nm	4 x 6 W	266 x 186 x 80 mm
29 61 205	UVT-14 ME- <b>HC</b>	High Contrast	11 x 14 cm	312 (302) nm	4 x 6 W	266 x 186 x 80 mm
29 61 300	UVT-14 LE	Economy	11 x 14 cm	365 nm	4 x 6 W	266 x 186 x 80 mm
29 61 500	UVT-22 SE	Economy	14 x 22 cm	254 nm	4 x 6 W	266 x 186 x 80 mm
29 61 600	UVT-22 ME	Economy	14 x 22 cm	312 (302) nm	4 x 6 W	266 x 186 x 80 mm
29 61 605	UVT-22 ME- <b>HC</b>	High Contrast	14 x 22 cm	312 (302) nm	4 x 6 W	266 x 186 x 80 mm
29 61 700	UVT-22 LE	Economy	14 x 22 cm	365 nm	4 x 6 W	266 x 186 x 80 mm
29 60 000	UVT-20 S	Standard	20 x 20 cm	254 nm	6 x 8 W	470 x 340 x 135 mm
29 70 030	UVT-20 SE	Economy	20 x 20 cm	254 nm	6 x 8 W	310 x 316 x 80 mm
29 75 000	UVT-20 S / W	Standard	20 x 20 cm	254 nm + White light	6 x 8 W 3 x 6 W	470 x 340 x 135 mm
29 76 000	UVT-20 SML	Advanced	20 x 20 cm	254 nm + 312 (302) nm + 365 nm	6 x 8 W 6 x 8 W 5 x 8 W	470 x 340 x 135 mm
29 76 500	UVT-20 SM	Advanced	20 x 20 cm	254 nm + 312 (302) nm	5 x 8 W 6 x 8 W	470 x 340 x 135 mm
29 76 700	UVT-20 SL	Advanced	20 x 20 cm	254 nm + 365 nm	5 x 8 W 6 x 8 W	470 x 340 x 135 mm
29 77 000	UVT-20 SV	Advanced	20 x 20 cm	254 nm Variable intensity	6 x 8 W	470 x 340 x 135 mm
29 65 000	UVT-20 M	Standard	20 x 20 cm	312 (302) nm	6 x 8 W	470 x 340 x 135 mm
29 65 005	UVT-20 M- <b>HC</b>	High Contrast	20 x 20 cm	312 (302) nm	6 x 8 W	470 x 340 x 135 mm
29 70 020	UVT-20 ME	Economy	20 x 20 cm	312 (302) nm	6 x 8 W	310 x 316 x 80 mm
29 70 025	UVT-20 ME- <b>HC</b>	High Contrast	20 x 20 cm	312 (302) nm	6 x 8 W	310 x 316 x 80 mm
29 75 100	UVT-20 M / W	Standard	20 x 20 cm	312 (302) nm + White light	6 x 8 W 3 x 6 W	470 x 340 x 135 mm
29 75 105	UVT-20 MW- <b>HC</b>	High Contrast	20 x 20 cm	312 (302) nm + White light	6 x 8 W 3 x 6 W	470 x 340 x 135 mm
29 76 600	UVT-20 ML	Advanced	20 x 20 cm	312 (302) nm + 365 nm	6 x 8 W 5 x 8 W	470 x 340 x 135 mm
29 77 100	UVT-20 MV	Advanced	20 x 20 cm	312 (302) nm Variable intensity	6 x 8 W	470 x 340 x 135 mm
29 77 105	UVT-20 MV- <b>HC</b>	High Contrast	20 x 20 cm	312 (302) nm Variable intensity	6 x 8 W	470 x 340 x 135 mm
29 70 000	UVT-20 L	Standard	20 x 20 cm	365 nm	6 x 8 W	470 x 340 x 135 mm
29 70 010	UVT-20 LE	Economy	20 x 20 cm	365 nm	6 x 8 W	310 x 316 x 80 mm
29 75 200	UVT-20 L / W	Standard	20 x 20 cm	365 nm + White light	6 x 8 W 3 x 6 W	470 x 340 x 135 mm
29 77 200	UVT-20 LV	Advanced	20 x 20 cm	365 nm Variable intensity	6 x 8 W	470 x 340 x 135 mm

→ All models are available in 115 V, as well.

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## Short overview:



**E Economy housing  
M midwave UV**

UVT-14 und UVT-22 have the same dimensions, but the filter size is different



**Standard housing**  
here combination of M midwave UV (312 nm) and  
W white light

Advanced: here SML - 3 UV wavelengths



**Economy housing**



**HC High Contrast filter  
for better contrast**  
M midwave UV  
Filter size: 22 x 28 cm



**Standard housing**  
S shortwave UV (254 nm)  
big Filter size: 20 x 40 cm



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**Models:**

Cat. No. 230 V	Model	Class	Filter size	Wavelength	Number of tubes	Dimension of the housing
29 60 100	UVT-28 S	Standard	22 x 28 cm	254 nm	8 x 8 W	470 x 340 x 135 mm
29 70 130	UVT-28 SE	Economy	22 x 28 cm	254 nm	8 x 8 W	310 x 316 x 80 mm
29 77 400	UVT-28 SV	Advanced	22 x 28 cm	254 nm Variable intensity	8 x 8 W	470 x 340 x 135 mm
29 65 100	UVT-28 M	Standard	22 x 28 cm	312 (302) nm	8 x 8 W	470 x 340 x 135 mm
29 65 105	UVT-28 M- <b>HC</b>	High Contrast	22 x 28 cm	312 (302) nm	8 x 8 W	470 x 340 x 135 mm
29 70 120	UVT-28 ME	Economy	22 x 28 cm	312 (302) nm	8 x 8 W	310 x 316 x 80 mm
29 70 125	UVT-28 ME- <b>HC</b>	High Contrast	22 x 28 cm	312 (302) nm	8 x 8 W	310 x 316 x 80 mm
29 77 500	UVT-28 MV	Advanced	22 x 28 cm	312 (302) nm Variable intensity	8 x 8 W	470 x 340 x 135 mm
29 77 505	UVT-28 MV- <b>HC</b>	High Contrast	22 x 28 cm	312 (302) nm Variable intensity	8 x 8 W	470 x 340 x 135 mm
29 70 100	UVT-28 L	Standard	22x 28 cm	365 nm	8 x 8 W	470 x 340 x 135 mm
29 70 110	UVT-28 LE	Economy	22 x 28 cm	365 nm	8 x 8 W	310 x 316 x 80 mm
29 77 600	UVT-28 LV	Advanced	22 x 28 cm	365 nm Variable intensity	8 x 8 W	470 x 340 x 135 mm
29 60 200	UVT-40 S	Standard	20 x 40 cm	254 nm	6 x 15 W	470 x 340 x 135 mm
29 77 700	UVT-40 SV	Advanced	20 x 40 cm	254 nm Variable intensity	6 x 15 W	470 x 340 x 135 mm
29 65 200	UVT-40 M	Standard	20 x 40 cm	312 (302) nm	6 x 15 W	470 x 340 x 135 mm
29 65 205	UVT-40 M- <b>HC</b>	High Contrast	20 x 40 cm	312 (302) nm	6 x 15 W	470 x 340 x 135 mm
29 77 800	UVT-40 MV	Advanced	20 x 40 cm	312 (302) nm Variable intensity	6 x 15 W	470 x 340 x 135 mm
29 77 805	UVT-40 MV- <b>HC</b>	High Contrast	20 x 40 cm	312 (302) nm Variable intensity	6 x 15 W	470 x 340 x 135 mm
29 70 200	UVT-40 L	Standard	20 x 40 cm	365 nm	6 x 15 W	470 x 340 x 135 mm
29 77 900	UVT-40 LV	Advanced	20 x 40 cm	365 nm Variable intensity	6 x 15 W	470 x 340 x 135 mm

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❖ **White Light and Blue Light Transilluminators → see page 8**



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## UV Replacement tubes



**Caution:**

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Cat. No.	For model		Energy	Wavelength	Number of tubes in the unit
29 84 800	UVT-14 UVT-22	S	6 Watt	254 nm	4
29 84 900		M	6 Watt	312 (302) nm	4
29 85 000		L	6 Watt	365 nm	4
29 84 300	UVT-20	S	8 Watt	254 nm	6
29 84 400		M	8 Watt	312 (302) nm	6
29 84 500		L	8 Watt	365 nm	6
29 84 300	UVT-20	S	8 Watt	254 nm	6
29 84 400		M	8 Watt	312 (302) nm	6
29 84 500		L	8 Watt	365 nm	6
29 84 600	Combi units	S/W M/W L/W	6 Watt	Weißlicht	je 3
29 84 300	UVT-28	S	8 Watt	254 nm	8
29 84 400		M	8 Watt	312 (302) nm	8
29 84 500		L	8 Watt	365 nm	8
29 84 000	UVT-40	S	15 Watt	254 nm	6
29 84 100		M	15 Watt	312 (302) nm	6
29 84 200		L	15 Watt	365 nm	6

Replacement filter with Stainless Steel frame, Gel scoops and Gel cutters on request

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## Blue Light LED Transilluminators

- Excitation of SYBR Dyes or Ethidiumbromide through Blue Light within range of about 470 nm
  - **No dangerous UV light is emitted**
  - **No damaging of your DNA samples**



Cat. No.	Model	Filter size	Dimension of the housing
29 61 380	UVT-14-BE-LED	11 x 14 cm	266 x 186 x 80 mm
29 61 680	UVT-22-BE-LED	14 x 22 cm	266 x 186 x 80 mm
29 78 200	UVT-20-BE-LED	20 x 20 cm	310 x 316 x 80 mm
29 78 280	UVT-28-BE-LED	22 x 28 cm	310 x 316 x 80 mm
29 93 150	Orange Brille	Please order separately with transilluminator	

❖ **Orange Glasses** (please order separately)

- Protection from the high intensity of the LED light
- Recognition of the bands



## White Light LED Transilluminators

Cat. No.	Model	Filter size	Dimension of the housing
29 61 480	UVT-14-WE-LED	11 x 14 cm	266 x 186 x 80 mm
29 61 780	UVT-22-WE-LED	14 x 22 cm	266 x 186 x 80 mm
29 78 300	UVT-20-WE-LED	20 x 20 cm	310 x 316 x 80 mm
29 75 280	UVT-28-WE-LED	22 x 28 cm	310 x 316 x 80 mm

➤ **Advantages of the Herolab Blue Light LED transilluminators:**

- Homogeneous Lightning of the filter because of:
  - Installation of up to 450 basal, Premium quality LEDs in UVT-28
  - Installation of a High quality diffusor plate
- Reduction of the background signal through:
  - Set of a special filter glass
- Housing of the transilluminators is out of stainless steel though there is easy cleaning
- Long lifetime Premium quality LEDs

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