

Optical Filters, Adapter and Close-up Lens

Sold only in combination with the Herolab Gel Documentation Systems

Type	Cat.-No.	Specification	Image
B-1-55	28 00 150	Standard filter for imaging in combination with the Herolab Blue Light Transilluminators	
G-1-55	28 00 120	SybrGreen Filter, 55 mm Ø For SybrGreen stained gels with UV epi-illumination. Here the Herolab DNA filter No. 28 08 960 needs to be removed. If used in combination with a UV transilluminator the filter No. 28 00 390 has to be used additionally.	
IR-1-55	28 00 390	IR Cut Filter, 55 mm Ø Additional filter if the filter for SybrGreen (Nr. 28 00 120) is used in combination with a UV transilluminator. It makes the tubes of the UV transilluminator invisible and is not necessary with epi-illumination.	
DNA-1-55	28 08 950	DNA Filter, 55 mm Ø Special filter for imaging of Ethidiumbromide stained gels. Bandpass filter for 594 nm with approx. 90 % transmission.	
UV-1-55	28 08 965	UV Cut Filter, 55 mm Ø The experience has shown that this additional Filter brings the best results if mounted in front of all filters. This also prevents possible fluorescence effects from the filters in use.	
AR-1-55	28 08 963	Adapter Ring For 55 mm filter to 46 mm lens thread. Is always supplied with a complete Herolab Gel Documentation System, if that is equipped with the zoom lens F 1:1.0, 8 – 48 mm. This lens has a thread of 46 mm but the filters have a diameter of 55 mm in order to avoid shadowing effects.	
LE-1-55	28 08 964	Close-up Lens, 55 mm Ø The minimal distance for the zoom lens is 100 cm. Therefore the close up lens – always supplied with a complete system – has to be used.	
		On the following page you will find further Herolab Bandpass filters. These filters are very narrow in the respective transmission and therefore no UV-blocking and IR Cut Filter is not needed by using the transilluminators of the series High Contrast .	

FOR GEL DOCUMENTATION SYSTEMS

All products built by Herolab carry the CE sign. Herolab is certified according to DIN EN ISO 9001:2008 and DIN EN ISO 13485.

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These filters should be preferred for our transilluminators of the High Contrast series.

Type	Cat.-No.	Specification	Image																												
BP-460-1-55	28 08 746	Bandpass filter, 55 mm Ø, for the emission range 443 to 470 nm UV- und IR-cut filter is not necessary																													
		<table border="1"> <thead> <tr> <th>Wavelength in nm</th> <th>Transmission in %</th> </tr> </thead> <tbody> <tr><td>430</td><td>0,0</td></tr> <tr><td>435</td><td>0,1</td></tr> <tr><td>440</td><td>5,4</td></tr> <tr><td>445</td><td>91,1</td></tr> <tr><td>450</td><td>96,8</td></tr> <tr><td>455</td><td>96,9</td></tr> <tr><td>460</td><td>97,6</td></tr> <tr><td>465</td><td>91,3</td></tr> <tr><td>470</td><td>97,0</td></tr> <tr><td>475</td><td>88,1</td></tr> <tr><td>480</td><td>29,6</td></tr> <tr><td>485</td><td>0,2</td></tr> <tr><td>490</td><td>0,0</td></tr> </tbody> </table>		Wavelength in nm	Transmission in %	430	0,0	435	0,1	440	5,4	445	91,1	450	96,8	455	96,9	460	97,6	465	91,3	470	97,0	475	88,1	480	29,6	485	0,2	490	0,0
		Wavelength in nm		Transmission in %																											
		430		0,0																											
		435		0,1																											
		440		5,4																											
		445		91,1																											
		450		96,8																											
		455		96,9																											
		460		97,6																											
		465		91,3																											
		470		97,0																											
		475		88,1																											
480	29,6																														
485	0,2																														
490	0,0																														
430	0,0																														
435	0,1																														
440	5,4																														
445	91,1																														
450	96,8																														
455	96,9																														
460	97,6																														
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470	97,0																														
475	88,1																														
480	29,6																														
485	0,2																														
490	0,0																														
BP-535-1-55	28 08 753	Bandpass filter, 55 mm Ø, for the emission range 520 to 555 nm UV- und IR-cut filter is not necessary																													
		<table border="1"> <thead> <tr> <th>Wavelength in nm</th> <th>Transmission in %</th> </tr> </thead> <tbody> <tr><td>510</td><td>0,3</td></tr> <tr><td>515</td><td>2,3</td></tr> <tr><td>520</td><td>61,7</td></tr> <tr><td>525</td><td>95,5</td></tr> <tr><td>530</td><td>93,5</td></tr> <tr><td>535</td><td>96,3</td></tr> <tr><td>540</td><td>95,9</td></tr> <tr><td>545</td><td>95,8</td></tr> <tr><td>550</td><td>91,8</td></tr> <tr><td>555</td><td>42,2</td></tr> <tr><td>560</td><td>1,9</td></tr> <tr><td>565</td><td>0,2</td></tr> <tr><td>570</td><td>0,1</td></tr> </tbody> </table>		Wavelength in nm	Transmission in %	510	0,3	515	2,3	520	61,7	525	95,5	530	93,5	535	96,3	540	95,9	545	95,8	550	91,8	555	42,2	560	1,9	565	0,2	570	0,1
		Wavelength in nm		Transmission in %																											
		510		0,3																											
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		520		61,7																											
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BP 570-1-55	28 08 757	Bandpass filter, 55 mm Ø, for the emission range 550 to 580 nm UV- und IR-cut filter is not necessary																									
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		Wavelength in nm		Transmission in %																							
		540		0,1																							
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		560		92																							
		565		91,7																							
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		575		91,2																							
580	80,8																										
585	9,4																										
590	0,1																										
BP-590-1-55	28 08 759	Bandpass filter, 55 mm Ø, for the emission range 560 to 620 nm UV- und IR-cut filter is not necessary																									
		<table border="1"> <thead> <tr> <th>Wavelength in nm</th> <th>Transmission in %</th> </tr> </thead> <tbody> <tr><td>540</td><td>0,2</td></tr> <tr><td>550</td><td>4,0</td></tr> <tr><td>560</td><td>93,8</td></tr> <tr><td>570</td><td>99,1</td></tr> <tr><td>580</td><td>99,4</td></tr> <tr><td>590</td><td>97,9</td></tr> <tr><td>600</td><td>98,0</td></tr> <tr><td>610</td><td>98,5</td></tr> <tr><td>620</td><td>95,7</td></tr> <tr><td>630</td><td>1,3</td></tr> <tr><td>640</td><td>0,1</td></tr> </tbody> </table>		Wavelength in nm	Transmission in %	540	0,2	550	4,0	560	93,8	570	99,1	580	99,4	590	97,9	600	98,0	610	98,5	620	95,7	630	1,3	640	0,1
		Wavelength in nm		Transmission in %																							
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BP-620-1-55	28 08 762	Bandpass filter, 55 mm Ø, for the emission range 600 bis 640 nm UV- und IR-cut filter is not necessary																													
		<table border="1"> <thead> <tr> <th>Wavelength in nm</th> <th>Transmission in %</th> </tr> </thead> <tbody> <tr><td>590</td><td>0,1</td></tr> <tr><td>595</td><td>0,7</td></tr> <tr><td>600</td><td>56,9</td></tr> <tr><td>605</td><td>95,3</td></tr> <tr><td>610</td><td>95,0</td></tr> <tr><td>615</td><td>97,5</td></tr> <tr><td>620</td><td>98,7</td></tr> <tr><td>625</td><td>98,0</td></tr> <tr><td>630</td><td>97,5</td></tr> <tr><td>635</td><td>97,1</td></tr> <tr><td>640</td><td>64,0</td></tr> <tr><td>645</td><td>0,6</td></tr> <tr><td>650</td><td>0,1</td></tr> </tbody> </table>		Wavelength in nm	Transmission in %	590	0,1	595	0,7	600	56,9	605	95,3	610	95,0	615	97,5	620	98,7	625	98,0	630	97,5	635	97,1	640	64,0	645	0,6	650	0,1
		Wavelength in nm		Transmission in %																											
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650	0,1																														
BP-670-1-55	28 08 767	Bandpass filter, 55 mm Ø, for the emission range 655 bis 690 nm UV- und IR-cut filter is not necessary																													
		<table border="1"> <thead> <tr> <th>Wavelength in nm</th> <th>Transmission in %</th> </tr> </thead> <tbody> <tr><td>640</td><td>0,1</td></tr> <tr><td>645</td><td>0,2</td></tr> <tr><td>650</td><td>1,3</td></tr> <tr><td>655</td><td>20,0</td></tr> <tr><td>660</td><td>93,4</td></tr> <tr><td>665</td><td>96,7</td></tr> <tr><td>670</td><td>96,9</td></tr> <tr><td>675</td><td>97,6</td></tr> <tr><td>680</td><td>96,9</td></tr> <tr><td>685</td><td>96,1</td></tr> <tr><td>690</td><td>83,7</td></tr> <tr><td>695</td><td>8,9</td></tr> <tr><td>700</td><td>0,5</td></tr> </tbody> </table>		Wavelength in nm	Transmission in %	640	0,1	645	0,2	650	1,3	655	20,0	660	93,4	665	96,7	670	96,9	675	97,6	680	96,9	685	96,1	690	83,7	695	8,9	700	0,5
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