

UV/visible fluorescence photography

Equipment and Tools

UV lamps

1. Raytech Industries: purchase through the company itself; website order available.
makes a good series of ultraviolet lamps, including a nice portable model.
 - a. 475 Smith Road, Middletown, CT 06457
 - b. www.raytech-ind.com
 - c. email: info@raytech-ind.com
 - d. 1-800-243-7163
 - e. raysales@cshore.com

2. Spectronic Corp: purchase through dealers/vendors
 - a. 956 Brush Hollow Road, P.O. Box 483, Westbury, NY 11590
 - b. www.spectroline.com
 - c. 1-800-274-8888 technical & customer services
 - d. 1-516-333-4840 (outside USA and Canada)

3. UV Systems: purchase through the company itself; website order available.
makers of Superright ultraviolet lamps now has an improved model that drives the lamp at a slightly higher output
 - a. 16605 127th SE, Renton, WA 98058
 - b. www.uvsystems.com
 - c. info@uvsystems.com

4. UVP, Inc: purchase through dealers/vendors
makes a good series of ultraviolet lamps, including a nice portable model
 - a. 2066 W. 11th St. Upland, CA 91786
 - b. www.uvp.com
 - c. uvp@uvp.com
 - d. 1-800-452-6788
 - e. 1-909-946-3197 (outside USA and Canada)

5. UltraLum Inc.: purchase through the company itself; website order available.
good hand held, portable lamp; also decent handheld analytical lamps.
 - a. <http://www.ultralum.com/sh349%20uvlamp%20series.htm>
 - b. UltraLum Inc., 1480 N. Claremont Blvd, Claremont, CA 91711
 - c. 1-800-809-6559
 - d. For pricing, literature, system demo: Sales@ultralum.com
 - e. Customer Services for info, placing order, order status:
info@ultralum.com
 - f. Technical support for questions, problems, and upgrades:
tech@ultralum.com
 - g. Handheld with straps for handling, need custom mount for documentation.
 - h. portable one is very easy to use; but not good for documentation.

Goggles

Can be purchased from most scientific/lab supply companies or companies sell UV lamps. Make sure the goggles are good to block both shortwave and longwave UV.

<http://www.uvprocess.com/products/chapter.asp?c=SAFETY>

Facial shield

<http://www.uvprocess.com/product.asp?code=EYEPRO+++N>

<http://www.uvprocess.com/product.asp?code=EYEPRO+++T>

Filters

Gary Garnett (gary@pecaproducts.com) at Peca is very helpful with what filter to use)

PECA 700, around \$100 or more with custom size

<http://www.ir-uv.com/IR-UV%20Filters.htm>

1-800-999-7322

PECA 916, around \$100 or more with custom size

<http://www.ir-uv.com/IR-UV%20Filters.htm>

1-800-999-7322

B+W 486, not clear, need to increase exposure

Amazon, around \$100 depending on the sizes.

http://www.amazon.com/s/?ie=UTF8&keywords=bw+486&tag=googhydr-20&index=electronics&hvadid=3562815821&ref=pd_sl_60mcnInc49_e

2E:

BH photo, \$29.5. 3x3 inches

http://www.bhphotovideo.com/c/product/503328-REG/Kodak_8301285_3_x_3_2E.html

Filter Holder:

Cokin P series filter holder with 62mm adapter ring, \$17.04

http://www.bhphotovideo.com/c/product/459619-REG/Cokin_CBP40062_P_Series_Filter.html

Cokin P series adapter ring for different lens sizes, \$15.39

<http://www.bhphotovideo.com/c/buy/Adapter-Rings/ci/3848/N/4294540767>

UV lamps comparison							
Raytech	www.raytech-ind.com						
		produc no.	UV sources	separate UV tubes	other specification	power supply	price
portable	raytector 5-2	#10-062	Longwave/Shortwave	no		battery	\$295
	LS-4	#10-074	Longwave/Shortwave	no	slider to let UVA or UVC out	plug in	\$220
	LS-7	#10-082	Longwave/Shortwave	yes	two independent switches	plug in	\$325
	Model LS-88CB	#10-106	Longwave/Shortwave	yes	two independent switches	plug in	\$410
for photography	Model LS-218CB	#10-110	Longwave/Shortwave	yes	3" x 15" opening for UV output	plug in	\$650
	Model LW-218	#10-112	Longwave only		3" x 15" opening for UV output	plug in	\$320
	Model SW-218CB	#10-114	Shortwave only		3" x 15" opening for UV output	plug in	\$950
UV Systems	www.uvsystems.com						
	superbright II	3254	shortwave		handheld	plug in	\$499
	superbright II	3351	longwave, peak 351 nm		handheld	plug in	\$415
	superbright II	3368	longwave, peak 368 nm		handheld	plug in	\$415
	TripleBright II	FSL5	shortwave			plug in	\$1,069
	TripleBright II	FL52	longwave, peak 351 nm			plug in	\$617
	TripleBright II	FL68	longwave, peak 368 nm			plug in	\$617
	Note: triplebright has opening 3x larger than that of superbright						
	Note: lamps can come with different voltage. Select the right voltage for your power supply.						

compiled in October 2009 by Jiuan-Jiuan Chen

highlighted in red used at Paul Messier LLC