## **BD** Life Sciences – Biosciences

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## Fluorochrome/Laser Reference Poster

bdbiosciences.com/colors

● 355 nm 670/25

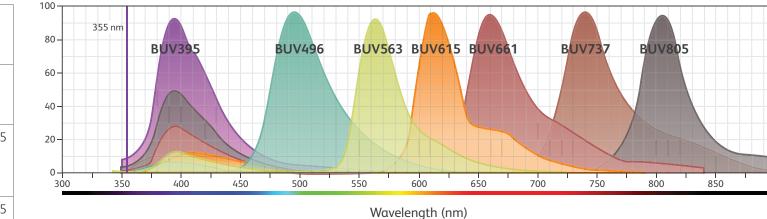
● 355 nm 740/35

● 355 nm 820/60

Experience the full potential of multicolor flow cytometry with BD Life Sciences flow cytometry instruments, reagents and services.

Visit our website for tools and information related to multicolor panel design including the interactive Fluorescence Spectrum Viewer, Multicolor Antibody Reagents Catalog, Human and Mouse Panels and more.





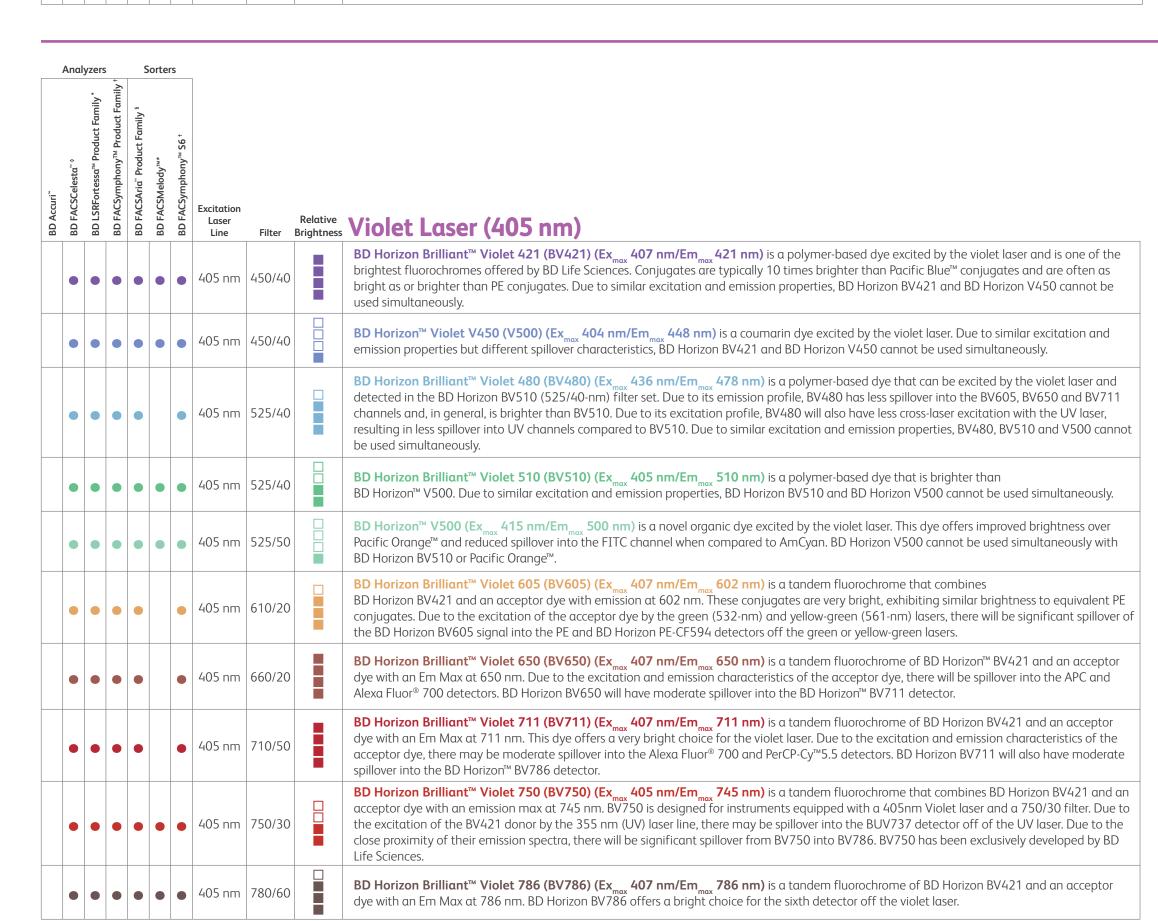
Due to cross laser excitation of the acceptor dye, there may be significant spillover into the Alexa Fluor® 700 detector (712/20). BUV737 has been exclusively developed by BD Life Sciences BD Horizon Brilliant™ Ultraviolet 805 (BUV805) (Ex<sub>max</sub> 351 nm/Em<sub>max</sub> 797 nm) is a tandem fluorochrome that combines BD Horizon BUV395

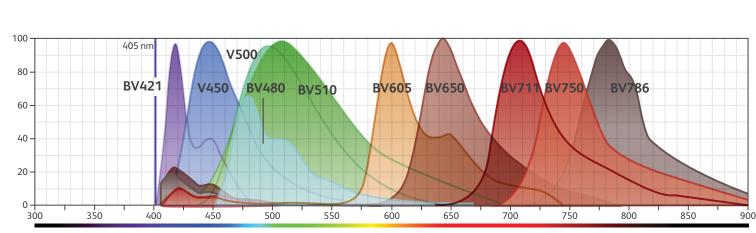
and an acceptor dye with an emission max at 657 nm. BUV661 is designed for instruments equipped with a 355nm UV laser and a 670/25 filter.

Due to cross laser excitation of the acceptor dye, there may be significant spillover into the APC detector. BUV661 has been exclusively developed

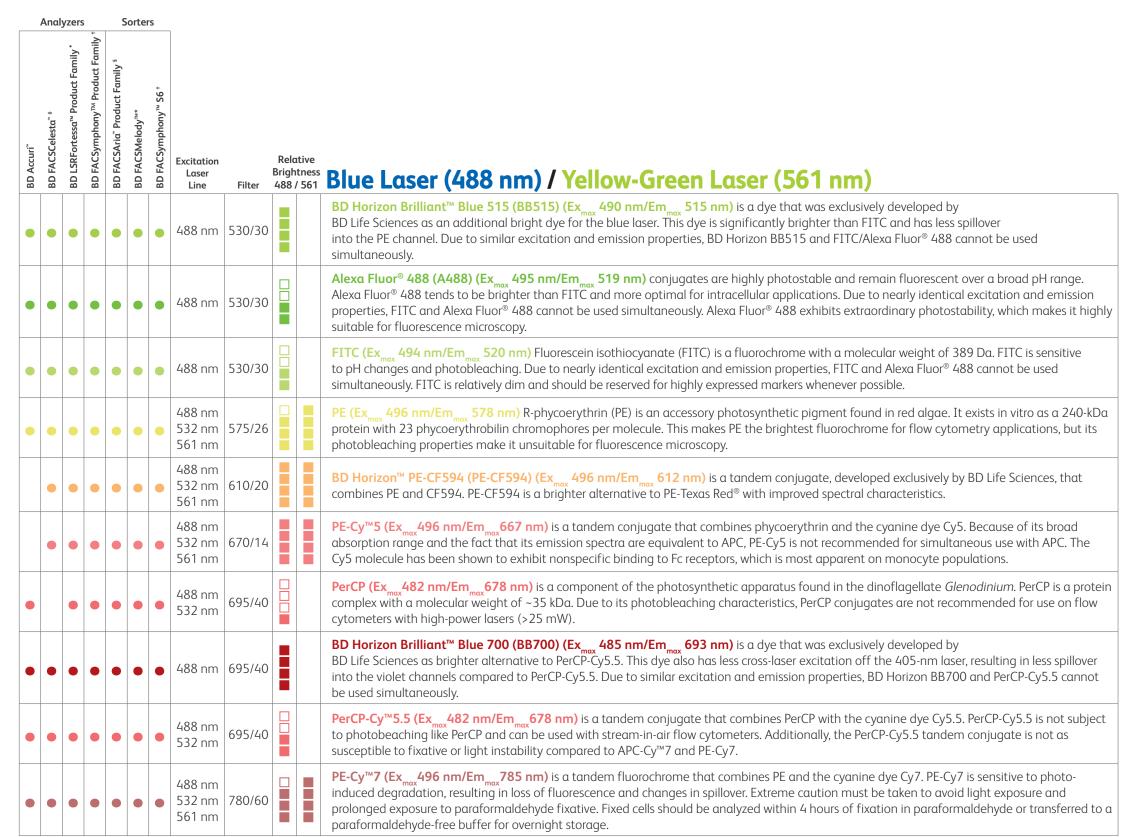
BD Horizon Brilliant™ Ultraviolet 737 (BUV737) (Ex<sub>max</sub> 350 nm/Em<sub>max</sub> 732 nm) is a tandem fluorochrome that combines BD Horizon BUV395 and an acceptor dye with an emission max at 732 nm. BUV732 is designed for instruments equipped with a 355nm UV laser and a 740/35 filter.

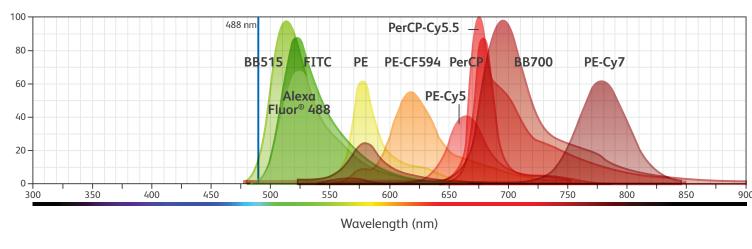
and an acceptor dye with an emission max at 797 nm. BUV805 is designed for instruments equipped with a 355nm UV laser and a 820/60 filter. BUV805 has been exclusively developed by BD Life Sciences.

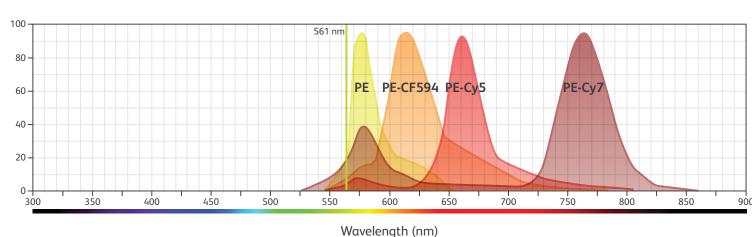


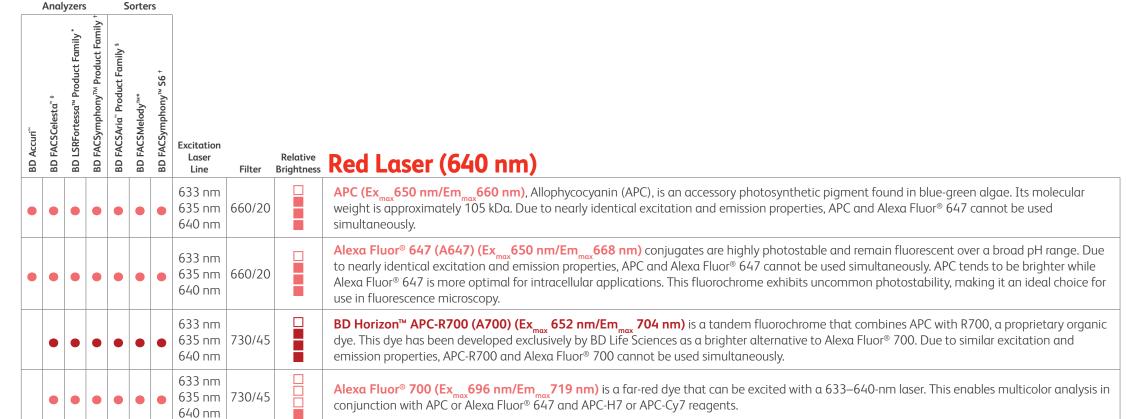


Wavelength (nm)









identical excitation and emission properties, APC-Cy7 and APC-H7 cannot be used simultaneously.

APC-Cy<sup>™</sup>7 (Ex<sub>max</sub>650 nm/Em<sub>max</sub>785 nm) is a tandem fluorochrome that combines APC and the cyanine dye Cy7. Special precautions must be

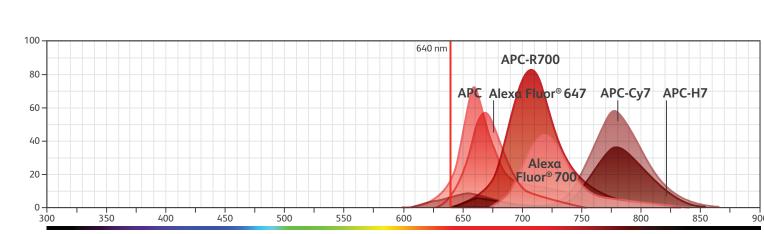
taken with APC-Cy7 conjugates, and cells stained with them, to protect the fluorochrome from long-term exposure to light. Fixed cells should be

analyzed within 4 hours of fixation in paraformaldehyde or transferred to a paraformaldehyde-free buffer for overnight storage. Due to nearly

APC-H7 (Ex<sub>max</sub> 650 nm/Em<sub>max</sub> 785 nm) is an APC-cyanine tandem fluorochrome which uses an analog of Cy7 and has similar spectral properties

to APC-Cy7. APC-H7 conjugates provide greater stability in light and paraformaldehyde fixatives and have less spillover into the APC channel than

APC-Cy7 conjugates. Due to nearly identical excitation and emission properties, APC-Cy7 and APC-H7 cannot be used simultaneously.



Wavelength (nm)

■ Dim ■ Moderate ■ Bright ■ Brightest Relative Brightness Key: Brightest dyes will be about as bright as PE while Dim dyes will have brightness similar to BD Horizon V500 Relative brightness is dependent on instrument configuration including lasers, filters, and laser power.

Capable of detecting up to 12 colors simultaneously (488 nm and 405 nm lasers available on all configurations; 355 nm, 561 nm, and 640 nm lasers available on select configurations)

• Capable of detecting up to 18 colors simultaneously. Contact your BD Representative for information on available laser wavelengths, laser powers and filter sets.

† Capable of detecting more than 28 colors simultaneously based on chosen configuration. Contact your BD Representative for information on available laser wavelengths, laser powers and filter sets. Capable of detecting up to 18 colors simultaneously (488nm and 640 nm lasers available on all configurations: 355 nm, 405 nm and 640 nm lasers available on select configurations; \* Capable of detecting up to 9 colors simultaneously (488 nm laser available on all configurations; 405 nm and 640 nm lasers available on select configurations)

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

633 nm

635 nm

640 nm

633 nm

635 nm

780/60

780/60

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