

# BD Life Sciences Fluorochrome Specifications

Visit [bdbiosciences.com/colors](http://bdbiosciences.com/colors) for detailed information about our newest fluorochromes and instrumentation.

To select your optimal combination of fluorochromes, visit [bdbiosciences.com/spectra](http://bdbiosciences.com/spectra) to use an interactive fluorescence spectrum tool.

Fluorochrome	Fluorescence Emission Color	Ex-Max (nm)	Excitation Laser Line (nm) <sup>†</sup>	Em-Max (nm)	Analyzers						Sorters				
					BD Accuri <sup>™</sup>	BD FACSCalibur <sup>™</sup>	BD FACSVers <sup>™</sup> *	BD FACSCelesta <sup>™</sup> **	BD FACSCanto <sup>™</sup> II	BD LSRFortessa <sup>™</sup> BD LSRFortessa <sup>™</sup> X-20	BD FACSAria <sup>™</sup> Product Family	BD Influx <sup>™</sup>	BD FACSMelody <sup>™</sup> ***	BD FACSJazz <sup>™</sup>	
BD Horizon <sup>™</sup> BUV395	Violet	348	355	395				●			●				
Hoechst 33342	Blue	350	355, 375	461							●	●	●		
BD Horizon <sup>™</sup> BV421	Blue	407	405	421			●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> V450	Blue	404	405	448			●	●	●	●	●	●	●	●	●
Pacific Blue <sup>™</sup>	Blue	401	405	452			●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BV480	Green	436	405	478			●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BUV496	Green	348	355	496						●	●				
BD Horizon <sup>™</sup> V500	Green	415	405	500			●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BV510	Green	405	405	510			●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BB515	Green	490	488	515	●	●	●	●	●	●	●	●	●	●	●
Alexa Fluor <sup>®</sup> 488	Green	495	488	519	●	●	●	●	●	●	●	●	●	●	●
FITC	Green	494	488	519	●	●	●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BUV563	Green	348	355	563						●					
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BV605	Orange	407	405	602				●		●	●	●	●	●	●
BD Horizon <sup>™</sup> PE-CF594	Orange	496, 564	488, 532, 561	612				●		●	●	●	●	●	●
PI	Orange	351	488, 532, 561	617	●	●	●	●	●	●	●	●	●	●	●
7-AAD	Red	543	488, 532, 561	647	●	●	●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BV650	Red	407	405	650				●		●	●	●	●	●	●
APC	Red	650	633, 635, 640	660	●	●	●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BUV661	Red	348	355	661						●					
Alexa Fluor <sup>®</sup> 647	Red	650	633, 635, 640	668	●	●	●	●	●	●	●	●	●	●	●
PE-Cy <sup>™</sup> 5	Red	496, 564	488, 532, 561	667	●	●	●	●	●	●	●	●	●	●	●
PerCP <sup>†</sup>	Red	482	488, 532	678	●	●	●	●	●	●	●	●	●	●	●
PerCP-Cy <sup>™</sup> 5.5	Far Red	482	488, 532	678	●	●	●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BB700	Far Red	485	488	693	●	●	●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> APC-R700	Far Red	652	633, 635, 640	704			●	●	●	●	●	●	●	●	●
Alexa Fluor <sup>®</sup> 700	Far Red	696	633, 635, 640	719			●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BV711	Far Red	407	405	711				●		●	●	●	●	●	●
BD Horizon <sup>™</sup> BUV737	Far Red	348	355	737						●					
PE-Cy <sup>™</sup> 7	Infrared	496, 564	488, 532, 561	785	●	●	●	●	●	●	●	●	●	●	●
APC-Cy7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●	●	●	●
BD <sup>™</sup> APC-H7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●	●	●	●
BD Horizon <sup>™</sup> BV786	Infrared	407	405	786				●		●	●	●	●	●	●
BD Horizon <sup>™</sup> BUV805	Infrared	348	355	805						●					

\* Capable of detecting up to 8 colors simultaneously (488-nm laser available on all configurations; 405-nm and 640-nm lasers available on select configurations).  
 \*\* 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 9 colors simultaneously (488-nm laser available on all configurations; 405-nm and 640-nm lasers available on select configurations).  
 † The excitation laser line represents commonly used lasers that excite the fluorochrome. It does not necessarily reflect the lasers available for each particular instrument.  
 ‡ Sensitivity for PerCP with high-power lasers (>25 mW) is reduced and is only recommended for known highly expressed markers.

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

Alexa Fluor<sup>®</sup> is a registered trademark, and Pacific Blue<sup>™</sup> is a trademark of Life Technologies Corporation.

Cy<sup>™</sup> is a trademark of GE Healthcare. Cy<sup>™</sup> dyes are subject to proprietary rights of GE Healthcare and Carnegie Mellon University, and are made and sold under license from GE Healthcare only for research and in vitro diagnostic use. Any other use requires a commercial sublicense from GE Healthcare, 800 Centennial Avenue, Piscataway, NJ 08855-1327, USA.

Trademarks are the property of their respective owners.

© 2017 BD. BD, the BD Logo and all other trademarks are property of Becton, Dickinson and Company.

23-10332-16



BD Life Sciences  
Biosciences  
bdbiosciences.com