

BD Biosciences Fluorochrome Specifications

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Fluorochrome	Fluorescence Emission Color	Ex-Max (nm)	Excitation Laser Line (nm)*	Em-Max (nm)	Analyzers					Sorters		
					BD Accuri™ C6	BD FACS Calibur™	BD FACS Verse™ S	BD FACS Canto™ II	BD LSR Fortessa™ X-20	BD FACS Aria™ Product Family	BD Influx™	BD FACS Jazz™
BD Horizon™ BUV395	Violet	348	355	395					●	●		
Hoechst 33342	Blue	350	355, 375	461					●	●	●	
BD Horizon™ BV421	Blue	407	405	421			●	●	●	●	●	●
BD Horizon™ V450	Blue	404	405	448			●	●	●	●	●	●
Pacific Blue™	Blue	401	405	452			●	●	●	●	●	●
BD Horizon™ BUV496	Green	348	355	496					●	●		
BD Horizon™ V500	Green	415	405	500			●	●	●	●	●	●
BD Horizon™ BV510	Green	405	405	510			●	●	●	●	●	●
BD Horizon™ BB515	Green	490	488	515	●	●	●	●	●	●	●	●
Alexa Fluor® 488	Green	495	488	519	●	●	●	●	●	●	●	●
FITC	Green	494	488	519	●	●	●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●	●
BD Horizon™ BV605	Orange	407	405	602					●	●	●	●
BD Horizon™ 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™ BV650	Red	407	405	650			●	●	●	●	●	●
APC†	Red	650	633, 635, 640	660	●	●	●	●	●	●	●	●
BD Horizon™ BUV661	Red	348	355	661					●	●		
Alexa Fluor® 647	Red	650	633, 635, 640	668	●	●	●	●	●	●	●	●
PE-Cy™5†	Red	496, 564	488, 532, 561	667	● [¶]	●	●	●	●	●	●	●
PerCP	Red	482	488, 532	678	●	●	●	●	● [‡]	●	● [‡]	●
PerCP-Cy™5.5	Far Red	482	488, 532	695	●	●	●	●	●	●	●	●
BD Horizon™ APC-R700	Far Red	652	633, 635, 640	704			●	●	●	●	●	●
Alexa Fluor® 700	Far Red	696	633, 635, 640	719			●	●	●	●	●	●
BD Horizon™ BV711	Far Red	407	405	711					●	●	●	●
BD Horizon™ BUV737	Far Red	348	355	737					●	●		
PE-Cy™7	Infrared	496, 564	488, 532, 561	785	●	●	●	●	●	●	●	●
APC-Cy7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●
BD™ APC-H7	Infrared	650	633, 635, 640	785			●	●	●	●	●	●
BD Horizon™ BV786	Infrared	407	405	786					●	●	●	●
BD Horizon™ BUV805	Infrared	348	355	805					●	●		

* The excitation laser line represents commonly used lasers that excite the fluorochrome. It does not necessarily reflect the lasers available for each particular instrument.

† APC and PE-Cy5 may be used together on instruments with cross-beam compensation.

‡ Sensitivity for PerCP with high-power lasers (>25 mW) is reduced and is only recommended for known highly expressed markers.

§ Capable of detecting 8 colors simultaneously (4 blue laser, 2 red laser, 2 violet laser). BD Horizon PE-CF594 and Alexa Fluor® 700 filters are available separately.

¶ Extra care must be taken to avoid spillover.

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

APC-Cy7: US patent 5,714,386

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