

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 FACSCalibur™	BD FACSVerser™ §	BD FACSCanto™ II	BD LSRFortessa™ and Special Order BD LSRFortessa	BD FACSAria™ III and Special Order BD FACSAria	BD Influx™
Hoechst 33342	Blue	350	355, 375	461					●	●	●
Brilliant Violet™ 421	Blue	407	405	421			●	●	●	●	●
BD Horizon™ V450	Blue	404	405	448			●	●	●	●	●
Pacific Blue™	Blue	401	405	452			●	●	●	●	●
BD Horizon™ V500	Green	415	405	500			●	●	●	●	●
AmCyan	Green	457	405	491			●	●	●	●	●
Alexa Fluor® 488	Green	495	488	519	●	●	●	●	●	●	●
FITC	Green	494	488	519	●	●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●
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	●	●	●	●	●	●	●
APC†	Red	650	633, 635, 640	660	●	●	●	●	●	●	●
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	●	●	●	●	●	●	●
Alexa Fluor® 700	Far Red	696	633, 635, 640	719			●	●	●	●	●
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			●	●	●	●	●

* 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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Brilliant Violet™ 421 is a trademark of Sirigen Group Ltd.

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