

BD Life Sciences Fluorochrome Specifications

Visit bdbiosciences.com/colors for detailed information about our newest fluorochromes and instrumentation. To select your optimal combination of fluorochromes, visit bdbiosciences.com/spectra to use an interactive fluorescence spectrum tool.

Fluorochrome	Fluorescence Emission Color	Ex-Max (nm)	Excitation Laser Line (nm) [†]	Em-Max (nm)	Analyzers ^Δ						Sorters ^Δ				
					BD Accuri [™] C6 Plus	BD FACSCalibur [™]	BD FACSVerse [™] *	BD FACSCelesta [™] **	BD FACSCanto [™] II	BD LSRFortessa [™] Product Family	BD FACSsymphony [™] Product Family	BD FACSARIA [™] Product Family	BD Influx [™]	BD FACSMelody [™] ***	BD FACSsymphony [™] S6
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 [™] BV480	Green	436	405	478			●	●	●	●	●	●	●	●	●
BD Horizon [™] BUV496	Green	351	355	491				●		●	●	●	●	●	●
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	520	●	●	●	●	●	●	●	●	●	●	●
BD Horizon [™] BUV563	Green	351	355	560				●		●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●	●	●	●	●
BD Horizon [™] BV605	Orange	407	405	605				●		●	●	●	●	●	●
BD Horizon [™] PE-CF594	Orange	496, 564	488, 532, 561	612			●	●	●	●	●	●	●	●	●
PI	Orange	351	488, 532, 561	617	●	●	●	●	●	●	●	●	●	●	●
BD Horizon [™] BUV615	Orange	350	361	616			●	●	●	●	●	●	●	●	●
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	351	355	657						●	●	●	●	●	●
Alexa Fluor [®] 647	Red	650	633, 635, 640	668	●	●	●	●	●	●	●	●	●	●	●
PE-Cy [™] 5	Red	496, 564	488, 532, 561	667	●	●	●	●	●	●	●	●	●	●	●
PerCP [†]	Red	482	488, 532	675	●	●	●	●	●	●	●	●	●	●	●
PerCP-Cy [™] 5.5	Red	482	488, 532	676	●	●	●	●	●	●	●	●	●	●	●
BD Horizon [™] BB700	Red	485	488	693	●	●	●	●	●	●	●	●	●	●	●
BD Horizon [™] APC-R700	Far Red	652	633, 635, 640	711			●	●	●	●	●	●	●	●	●
BD Horizon [™] R718	Far Red	695	640, 628	718			●	●	●	●	●	●	●	●	●
Alexa Fluor [®] 700	Far Red	696	633, 635, 640	722			●	●	●	●	●	●	●	●	●
BD Horizon [™] BV711	Far Red	407	405	711				●		●	●	●	●	●	●
BD Horizon [™] BV750	Far Red	405	405	745		●	●	●	●	●	●	●	●	●	●
BD Horizon [™] BUV737	Far Red	350	355	737				●		●	●	●	●	●	●
PE-Cy [™] 7	Infrared	496, 564	488, 532, 561	778	●	●	●	●	●	●	●	●	●	●	●
APC-Cy7	Infrared	650	633, 635, 640	779	●	●	●	●	●	●	●	●	●	●	●
BD [®] APC-H7	Infrared	650	633, 635, 640	782	●	●	●	●	●	●	●	●	●	●	●
BD Horizon [™] BV786	Infrared	407	405	786				●		●	●	●	●	●	●
BD Horizon [™] BUV805	Infrared	351	355	803						●	●	●	●	●	●

^Δ Some fluorochromes require additional filters for instruments to measure. Contact your BD Representative for more information.
^{*} 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.

Class 1 Laser Product.
 For Research Use Only. Not for use in diagnostic or therapeutic procedures.
 23-10332-17

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