

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 FACScan™	BD FACSAirray™	BD FACSCalibur™	BD FACSCanto™	BD FACSCanto™ II	Special Order BD™ LSR II	Preconfigured BD™ LSR II	Special Order BD LSRFortessa™	BD FACSVantage™ SE	BD FACSAria™ family	BD Influx™	
BD Horizon™ V450	Blue	404	405, 407	448						●	●	●	●	●	●	●
Pacific Blue™	Blue	401	405, 407	452						●	●	●	●	●	●	●
BD Horizon™ V500	Green	415	405, 407	500						●	●	●	●	●	●	●
AmCyan	Green	457	405, 407	491						●	●	●	●	●	●	●
Alexa Fluor® 488	Green	495	488	519	●		●	●	●	●	●	●	●	●	●	●
FITC	Green	494	488	519	●		●	●	●	●	●	●	●	●	●	●
PE	Yellow	496, 564	488, 532, 561	578	●	●	●	●	●	●	●	●	●	●	●	●
PE-Texas Red®	Orange	496, 564	488, 532, 561	615	●				●	●	●	●	●	●	●	●
Texas Red®	Orange	595	595	615						●		●	●	●	●	
APC†	Red	650	595, 633, 635, 640, 647	660		●	●	●	●	●	●	●	●	●	●	●
Alexa Fluor® 647	Red	650	595, 633, 635, 640, 647	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	595, 633, 635, 640, 647	785		●		●	●	●	●	●	●	●	●	●
BD APC-H7	Infrared	650	595, 633, 635, 640, 647	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 stream-in-air sorters is reduced and is only recommended for known highly expressed markers.

Alexa Fluor® and Texas Red® are registered trademarks, and Pacific Blue™ is a trademark of Molecular Probes, Inc.

Cy™ is a trademark of Amersham Biosciences Corp.

BD flow cytometers are Class I (1) laser products.

The BD FACSCanto II system, BD FACSCanto system, BD FACScan system, and BD FACSCalibur system are intended for in vitro diagnostic use.

Seven- and eight-color immunophenotyping on the BD FACSCanto II system require validation by user.

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

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23-10332-01



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