

BD FACSAria Fusion UNIFR

Laser:	Bandpass Filter	Suggested Fluorochromes
Violet 405 nm	450/40	Alexa Fluor 405, Cascade Blue, Pacific Blue, Atto 390, Atto 425, DyLight 405, eFluor 450, Brilliant Violet 421 , Phalloidin, CF405M, violetFluor 450, CF-Blue, VioBlue, <i>LIVE/DEAD Fixable Violet</i> , <i>DAPI</i> , <i>SYTOX Blue</i> , <i>Zombie Violet Fixable</i> , <i>Zombie Violet Fixable</i> , Cyan Fluorescent Protein (CFP), <i>Viability 405/452 Fixable Dye</i> , <i>VivaFix 398/550</i> , <i>VivaFix 410/450</i>
	525/50	Alexa Fluor 430, Qdot 525, Atto 390, Atto 425, Pacific Orange, Cascade Yellow, eFluor 565NC, Orange Cytognos 515, Krome Orange, Brilliant Violet 510™ (BV510™) , Pacific Green, 7C, VioGreen, eFluor 506, <i>LIVE/DEAD Fixable Aqua</i> , <i>DAPI</i> , <i>SYTOX Blue</i> , <i>Zombie Aqua Fixable</i> , <i>Zombie Yellow Fixable</i> , <i>LIVE/DEAD Fixable Yellow</i> , Cyan Fluorescent Protein (CFP), <i>Viability 405/520 Fixable Dye</i> , <i>VivaFix 408/512</i>
	610/20	Alexa Fluor 430, Qdot 585, Qdot 605 , eFluor 605NC, Qdot 625, Pacific Orange, Cascade Yellow, Brilliant Violet 605, eVolve 605, Super Bright 600, <i>Zombie Yellow Fixable</i> , <i>LIVE/DEAD Fixable Yellow</i>
	660/20	Qdot 655, eFluor 650NC, Brilliant Violet 650 , eVolve 655, Super Bright 645
	710/50	Qdot 705, Brilliant Violet 711, Super Bright 702, Brilliant Violet 750
	780/60	Qdot 800, Brilliant Violet 785, Super Bright 780, Brilliant Violet 750
Blue 488 nm	488/10	SSC channel (Atto 465, CFP, FMN-binding fluorescent protein)
	530/30	Alexa Fluor 488, Alexa Fluor 514, Cy2, FITC, Qdot 525, Atto 465, Atto 488, Atto 520, DyLight 488, FAM, HiLyte Fluor 488, eFluor 565NC, 488-NHS Ester, Fluorescein, Brilliant Blue 515, VioBright, FITC, iFluor 488, <i>LIVE/DEAD Fixable Green</i> , <i>SYTOX Green</i> , <i>Zombie Green Fixable</i> , Green Fluorescent Protein (emerald GFP), Cyan Fluorescent Protein (CFP), FMN-binding fluorescent protein (EcFbFP), <i>Viability 488/520 Fixable Dye</i> , <i>VivaFix 498/521</i>

Strong fluorochromes
Viability dyes

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Laser:	Bandpass Filter	Suggested Fluorochromes
	585/42	Alexa Fluor 514, Alexa Fluor 546, Qdot 565, PE , DyeMer 488/605, Qdot 585, Qdot 605, PE-Texas Red (ECD), eFluor 605NC, PE-Dyomics 590, eFluor 565NC, RD1 (Phycoerythrin), eFluor 585NC, PE-Dazzle 594, BPE, RPE, PE-Vio615, PE-eFluor 610, PE-Biotin, <i>LIVE/DEAD Fixable Red</i> , <i>Propidium Iodide (PI)</i> , <i>SYTOX Green</i> , <i>LIVE/DEAD Fixable Red</i> , CyTRAK Orange
	616/23	DyeMer 488/605, DyeMer 488/615, Qdot 585, Qdot 605, PE-Texas Red (ECD), eFluor 605NC, eFluor 625NC, PE-Alexa Fluor 610, Qdot 625, PE-Dylight 590, PE-Atto 594, PE-Dazzle 594, PE-Dylight 594, PE-Vio615, PE-eFluor 610, <i>LIVE/DEAD Fixable Red</i> , <i>7-AAD</i> , <i>Propidium Iodide (PI)</i> , <i>SYTOX AADvanced</i> , <i>LIVE/DEAD Fixable Red</i> , CyTRAK Orange
	695/40	PerCP, PerCP-Cy5.5 , PE-Cy5 , Qdot 705, PE-Cy5.5, PerCP-eFluor 710, PE-Alexa Fluor 700, TRI-COLOR, PE-Alexa Fluor 680, PE-Alexa Fluor 647, PerCP-Vio700, <i>7-AAD</i> , <i>Propidium Iodide (PI)</i> , <i>SYTOX AADvanced</i> , <i>DRAQ5</i> , <i>DRAQ7</i> , CyTRAK Orange
	780/60	Qdot 800, PE-Cy7 , PE-Alexa Fluor 750, PE-Vio770, PE-Fire 780, <i>DRAQ5</i> , CyTRAK Orange
Red 640 nm	670/30	Alexa Fluor 633, Alexa Fluor 635, Alexa Fluor 647 , Alexa Fluor 647-PE, Alexa Fluor 660, APC , APC-Cy5, APC-Cy5.5, Atto 647, Cy5, DyLight 647, Dyomics 647, Qdot 655, Alexa Fluor 680, Alexa Fluor 680-APC, Alexa Fluor 680-PE, Alexa Fluor 700-APC, Cy5.5, Qdot 705, Atto 594, Atto 610, Atto 620, Atto 635, Atto 655, Atto 680, DyLight 633, DyLight 649, DyLight 680, eFluor 650NC, eFluor 660, HiLyte Fluor 647, APC-Alexa Fluor 680, DyLight 650, SureLight PBXL-3, SureLight P3, Atto 633, Atto 647N, Dyomics 634, IRDye 650, Vio667, VioBright 667, TO-PRO-3, <i>DRAQ7</i> , <i>SYTOX</i> , <i>DRAQ5</i> , <i>VivaFix 649/660</i>
	730/45	Alexa Fluor 660, APC-Cy5.5, Atto 647, Alexa Fluor 680, Alexa Fluor 680-APC, Alexa Fluor 680-PE, Alexa Fluor 700, APC-Cy7, Cy5.5™, Qdot 705, Qdot 800, Atto 655, Atto 680, Atto 700, DyLight 680, DyLight 750, APC-Alexa Fluor 750, APC-Alexa Fluor 680, APC-Alexa Fluor 700, redFluor 710, Vio667, <i>DRAQ7</i> , <i>Zombie NIR Fixable</i> , <i>DRAQ5</i>
	780/60	Alexa Fluor 750, APC-Cy7, Cy7, Qdot 800, Atto 700, DyLight 750, APC-Alexa Fluor 750, APC-eFluor 780, APC-H7, HiLyte Fluor 750, APC-C750, DyLight 755, redFluor 710, APC-Vio770, APC-Fire 750, CF750, <i>Zombie NIR Fixable</i> , <i>LIVE/DEAD Fixable Near-IR Red</i> , <i>DRAQ5</i>

Strong fluorochromes
Viability dyes