BD FACSCanto™ - Flow Cytometer

Laser	Position	Filter	Mirror	Antibody Reagents	Fluorescent Proteins	Nucleic Acid Stains
Violet 405	405-A	BP/510/20	LP/505	V500, BV510	AmCyan, GFP, T-Sapphire	
	405-B	BP/450/50		V450, BV421, PacificBlue	BFP, CFP, Cerulean, mTurquoise	Hoechst, DAPI, SytoxBlue
Blue 488	488-A	BP/630/30	LP/570			
	488-B	BP/530/30	LP/505	BB515, FITC, AF488	GFP, Emerald, Venus, Clover, NeonGreen, YFP	SytoxGreen, TOTO-1, TO-PRO-1, YOYO-1
	488-C/SSC	BP/488/10		n.a.	n.a.	n.a.
	FSC			n.a.	n.a.	n.a.
YellowGreen 561	561-A	BP/780/60	LP/750	PE-Cy7		
	561-B	BP/670/30	LP/635	PE-Cy5, PE-Cy5.5, APC	mPlum, mKate	7-AAD
	561-C	BP/610/20	LP/600	PE-CF594, PE-TexasRed, AF568	mCherry, mRaspberry, mRuby	PI
	561-D	BP/586/15		PE	tdTomato, dsRed, RFP, mTangerine, mStrawberry, mApple	SytoxOrange

Laser Beam: 9x65 µm
Digital Resolution: 18 bit (262,144 channels)
Signal Mode: linear, logarithmic
Pulse Processing: Area, Height, Width
Sample Flow Rate: low (10 µl/min), medium (60 µl/min), high (120 µl/min)
Sample Acquisition Rate: maximal 35,000 events/s
Particle Size: 1-50 µm
Manual Acquisition: tubes (5 ml)
Automatic Acquisition: High Throughput Sampler (96-/384-well plate)

BD FACSCanto™ II - Flow Cytometer

Laser	Position	Filter	Mirror	Antibody Reagents	Fluorescent Proteins	Nucleic Acid Stains
Violet 405	405-A	BP/510/50	LP/502	V500, BV510	AmCyan, GFP, T-Sapphire	
	405-B	BP/450/50		V450, BV421, PacificBlue	BFP, CFP, Cerulean, mTurquoise	Hoechst, DAPI, SytoxBlue
Blue 488	488-A	BP/780/60	LP/735	PE-Cy7		
	488-B	LP/670	LP/655	BB700, PerCP, PerCP-Cy5.5, PE-Cy5		7-AAD
	488-C		LP/610			
	488-D	BP/585/42	LP/556	PE		PI, SytoxOrange
	488-E	BP/530/30	LP/502	BB515, FITC, AF488	GFP, Emerald, Venus, Clover, NeonGreen, YFP	SytoxGreen, TOTO-1, TO-PRO-1, YOYO-1
	488-F/SSC	BP/488/10		n.a.	n.a.	n.a.
	FSC			n.a.	n.a.	n.a.
Red 633	633-A	BP/780/60	LP/735	APC-Cy7, APC-H7, AF700		
	633-B		LP/685			
	633-C	BP/660/20		APC, AF647	mNeptune	SytoxRed, TOTO-3, TO-PRO-3

Laser Beam: 9x65 µm
Digital Resolution: 18 bit (262,144 channels)
Signal Mode: linear, logarithmic
Pulse Processing: Area, Height, Width
Sample Flow Rate: low (10 µl/min), medium (60 µl/min), high (120 µl/min)
Sample Acquisition Rate: maximal 10,000 events/s
Particle Size: 1-50 µm
Manual Acquisition: tubes (5 ml)

BD FACSAria™ III - Cell Sorter

Laser	Position	Filter	Mirror	Antibody Reagents	Fluorescent Proteins	Nucleic Acid Stains
Violet 407	407-A	BP/585/42	LP/556	BV605, BV650	mKeima	
	407-B	BP/510/20	LP/502	V500, BV510	AmCyan, GFP, T-Sapphire	
	407-C	BP/450/40		V450, BV421, PacificBlue	BFP, CFP, Cerulean, mTurquoise	Hoechst, DAPI, SytoxBlue
Blue 488	488-A	BP/695/40	LP/630	BB700, PerCP, PerCP-Cy5.5, PE-Cy5, PE-Cy5.5		
	488-B	BP/530/30	LP/502	BB515, FITC, AF488	GFP, Emerald, Venus, Clover, NeonGreen, YFP	SytoxGreen, TOTO-1, TO-PRO-1, YOYO-1
	488-C/SSC	BP/488/10		n.a.	n.a.	n.a.
	FSC	ND/1.0/1.5/2.0		n.a.	n.a.	n.a.
YellowGreen 561	561-A	BP/780/60	LP/735	PE-Cy7		
	561-B	BP/670/14	LP/635	PE-Cy5, PE-Cy5.5	mPlum, mKate	7-AAD
	561-C	BP/610/20	LP/600	PE-CF594, PE-TexasRed, AF568	mCherry, mRaspberry, mRuby	PI
	561-D	BP/582/15		PE	tdTomato, dsRed, RFP, mTangerine, mStrawberry, mApple	SytoxOrange
Red 633	633-A	BP/780/60	LP/735	APC-Cy7, APC-H7, AF700		
	633-B	BP/660/20		APC, AF647	mNeptune	SytoxRed, TOTO-3, TO-PRO-3

Laser Beam: 9x65 µm
Digital Resolution: 18 bit (262,144 channels)
Signal Mode: linear, logarithmic
Pulse Processing: Area, Height, Width
Sample Flow Rate: adjustable dynamic range 1-11 (10-80 µl/min)
Sample Acquisition Rate: maximal 70,000 events/s
Particle Size: 0.5-50 µm (1/3 of nozzle diameter)
Acquisition: tubes (5/15 ml)
Sort Nozzles: 70 µm, 85 µm, 100 µm, 130 µm
Sort Rate: maximal 87,000 drops/s
Sort Options: 2-way tube sorting (15 ml), 4-way tube sorting (1.5/5 ml), plate sorting (384/96/48/24/12/6 wells)

BD FACSMelody™ - Cell Sorter

Laser	Position	Filter	Mirror	Antibody Reagents	Fluorescent Proteins	Nucleic Acid Stains
Violet 405	405-A		LP/755	BV786		
	405-B	BP/448/45		V450, BV421, PacificBlue	BFP, CFP, Cerulean, mTurquoise	Hoechst, DAPI, SytoxBlue
Blue 488	488-A	BP/700/54	LP/665	BB700, PerCP, PerCP-Cy5.5		7-AAD
	488-B	BP/527/32	LP/507	BB515, FITC, AF488	GFP, Emerald, Venus, Clover, NeonGreen, YFP	SytoxGreen, TOTO-1, TO-PRO-1, YOYO-1
	488-C/SSC	BP/488/15		n.a.	n.a.	n.a.
	FSC	ND/1.0/1.5/2.0		n.a.	n.a.	n.a.
YellowGreen 561	561-A	BP/783/56	LP/752	PE-Cy7		
	561-B	BP/697/58	LP/665		mPlum, mKate	7-AAD
	561-C	BP/613/18	LP/605	PE-CF594, PE-TexasRed, AF568	mCherry, mRaspberry, mRuby	PI
	561-D	BP/582/15		PE	tdTomato, dsRed, RFP, mTangerine, mStrawberry, mApple	SytoxOrange

Laser Beam: 9x65 µm
Digital Resolution: 18 bit (262,144 channels)
Signal Mode: linear, logarithmic
Pulse Processing: Area, Height, Width
Sample Flow Rate: adjustable dynamic range 1-100 (10-80 µl/min)
Sample Acquisition Rate: maximal 59,000 events/s
Particle Size: 0.5-50 µm (1/3 of nozzle diameter)
Acquisition: tubes (5 ml)
Sort Nozzle: 100 µm
Sort Rate: maximal 34,000 drops/s
Sort Options: 2-way tube sorting (15 ml), 4-way tube sorting (1.5/5 ml), plate sorting (384/96/48/24/12/6 wells)