

BD LSR Fortessa Dual Optical Configuration (3 Laser, Left side, HTS)

Laser		Long Pass Filter	Band Pass Filter	Fluorochrome(s)
405 nm (Violet)	A	750LP	780/60	BV786
	B	695LP	710/50	BV711
	C	635LP	670/30	BV650
	D	600LP	610/20	BV605
	E	505LP	525/50	BV510
	F	420LP	450/50	BV421/Pacific Blue
488nm (Blue)	A	750LP	780/60	PerCP-Cy7, PE-Cy7
	B	685LP	710/50	PerCP,PerCp-Cy5.5, 7AAD
	C	635LP	670/30	PE-Cy5
	D	600LP	610/20	PE-Texas, Red, PI
	E	550LP	575/25	PE, dsRED
	F	505LP	Y-50 530/30	FITC, GFP, AF488
	G	-----	488/10	SSC
640nm (Red)	A	750LP	780/60	APC-Cy7
	B	685LP	730/45	AF700
	C	RG665	670/30	APC

**PI: Excitation Max- 535 nm; Emission max: 618 nm, 610/20 filter recommended

BD LSRFortessa Dual SORP Optical Configuration at UMass Amherst (5 Laser, Right Side)

Laser		Long Pass Filter	Band Pass Filter	Fluorochrome(s)
355 nm (UV)	A	690LP	740/35	BUV 737
	B	410LP	450/50	IndoL(Violet), DAPI, Nuc Blue
	C	L-37	379/28	BUV395
405 nm (Violet)	A	750LP	780/60	BV786
	B	695LP	710/50	BV711
	C	595LP	610/20	BV605
	D	505LP	525/50	BV510
	E	GG420	450/50	BV421, Pacific Blue
488 nm (Blue)	A	685 LP	710/50	PE-CY5.5, PerCP-Cy5.5, PerCP, 7AAD
	B	505LP	530/30	FITC, GFP, AF488
	C	---	488/10	SSC
561 nm (yellow-green)	A	750LP	780/60	PE-Cy7
	B	635LP	670/30	PE-Cy5
	C	600LP	610/20	PE-TexasRed, PI, dsRED
	D	0-58	585/15	PE
640 nm (Red)	A	750LP	780/60	APC-CY7
	B	685LP	730/45	AF700
	C	RG665	670/30	APC

*PE: Excitation Max- 565 nm, secondary peak 488 nm; Emission max: 575 nm, 586/15 filter recommended

**PI: Excitation Max- 535 nm; Emission max: 618 nm, 610/20 filter recommended

BD FACSAria II SORP Optical Configuration at UMass Amherst

Laser		Long Pass Filter	Band Pass Filter	Fluorochrome(s)
355nm (UV)	A	505LP	525/50	Indo-1 (Blue)
	B	---	450/50	Indo-1 (Violet), DAPI
405 nm (Violet)	A	630LP	660/20	Qdot 655
	B	505LP	525/50	AmCyan, BD Horizon™ V500
	C	---	450/50	Pacific Blue™, DAPI, BD Horizon™ V450
488 nm (Blue)	A	685LP	710/50	PerCP-Cy™5.5
	B	550LP	575/25	PE* (blue), PI**
	C	505LP	530/30	FITC, Alexafluor® 488, GFP, YFP, mCitrine
	D	---	488/10	SSC
561 nm (Yellow-green)	A	750LP	780/60	PE-CY™7
	B	685LP	710/50	PE-CY™5.5
	C	635LP	660/20	PE-CY™5, PerCP, 7AAD
	D	600LP	610/20	PE-Texas Red®, PI**, mCherry
	E	---	586/15	PE (yellow-green)
640 nm (Red)	A	750LP	780/60	APC-CY™7, APC-H7
	B	690LP	730/45	Alexafluor® 700
	C	---	670/30	APC, Alexafluor®647

*PE: Excitation Max- 565 nm, secondary peak 488 nm; Emission max: 575 nm, 586/15 filter recommended

**PI: Excitation Max- 535 nm; Emission max: 618 nm, 610/20 filter recommended