

These recommended voltages are a good starting point. If your single stain control is too bright, the voltage should be lowered. In general, increasing the voltage above the recommended settings has no benefit.

#### Fortessa 4-15

Laser	Laser	Filter	Fluorophore tested	Starting voltage
Violet	405	450/50	BV421	500
Violet	405	525/50	BV510	450
Violet	405	610/20	BV605	550
Violet	405	660/20	BV650	661
Violet	405	710/50	BV711	581
Blue	488	525/50	FITC	550
Blue	488	710/50	PerCP-Cy5.5	643
Yellow/Green	561	582/15	PE	657
Yellow/Green	561	610/20	PE-Dazzle595	584
Yellow/Green	561	660/20	PE-Cy5	686
Yellow/Green	561	730/45	PE-Cy5.5	477
Yellow/Green	561	780/40	PE-Cy7	502
Red	640	670/30	APC	529
Red	640	710/50	APCR700	600
Red	640	780/60	APC-Cy7	600

Fluorophore tested	Separation Index	Brightness Estimation
PE	187	Bright
PE-Dazzle595	175	Bright
APC	174	Bright
BV421	166	Bright
PE-Cy7	158	Bright
BV711	150	Bright
BV605	120	Moderate
PerCP-Cy5.5	98	Moderate
AF488	79	Dim
BV510	70	Dim
Pacific Blue	69	Dim
APC-Cy7	52	Dim
AF700	41	Very Dim
BV650	not tested	
PE-Cy5	not tested	
PE-Cy5.5	not tested	