

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 HTS

Laser	Laser	Filter	Fluorophore tested	Starting voltage
Violet	405	450/50	BV421	499
Violet	405	525/50	BV510	600
Violet	405	610/20	BV605	600
Violet	405	670/25	BV650	672
Violet	405	710/50	BV711	576
Blue	488	525/50	AF488	600
Blue	488	695/40	PerCP-Cy5.5	650
Yellow/Green	561	582/15	PE	539
Yellow/Green	561	610/20	PE-Dazzle595	630
Yellow/Green	561	670/30	PE-Cy5	650
Yellow/Green	561	710/50	PE-Cy5.5	541
Yellow/Green	561	780/60	PE-Cy7	564
Red	640	660/20	APC	576
Red	640	730/45	AF700	600
Red	640	780/60	APC-Cy7	508

Fluorophore tested	Separation Index	Brightness Estimation
PE	182	Bright
PE-Dazzle595	172	Bright
APC	155	Bright
BV421	133	Moderate
BV711	130	Moderate
PE-Cy7	123	Moderate
BV605	105	Moderate
PerCP-Cy5.5	83	Dim
AF488	61	Dim
AF700	55	Dim
APC-Cy7	54	Dim
BV510	52	Dim
Pacific Blue	36	Very Dim
BV650	not tested	
PE-Cy5	not tested	
PE-Cy5.5	not tested	