

The **Symphony A3 "Polyhymnia"** is equipped with 5 lasers and 18 fluorescence channels.

Lasers	Detector Name	fluorochrome detected (examples)	PMT	Dichroic LP Filter	BP Filter
UV 355nm	UV379	BUV395	C	370LP	379/28
UV 355nm	UV450	DAPI	B	410LP	450/50
UV 355nm	UV735	BUV737	A	690LP	735/30
Violet 405nm	V431	BV421, PacB, V450, VioB, BFP, DAPI	F	410LP	431/28
Violet 405nm	V525	BV510, V500, AmCyan, PacO, DAPI, VioG, KromeO	E	505LP	525/50
Violet 405nm	V605	BV605	D	595LP	605/40
Violet 405nm	V677	BV650	C	635LP	677/20
Violet 405nm	V710	BV711	B	685LP	710/50
Violet 405nm	V810	BV785, BV786	A	770LP	810/40
Blue 488nm	SSC	Side Scatter	C	empty	488/10
Blue 488nm	B530	FITC, Alexa488, GFP, CFSE, BB515, VioB515, zsGreen, mVenus	B	505LP	530/30
Blue 488nm	B710	PerCPCy5.5, PerCPVio700, PerCPeF710, PI	A	685LP	710/50
YellowGreen 561nm	YG586	PE, dsTomato, dsRed, RFP, CTYellow	D	570LP	586/15
YellowGreen 561nm	YG610	PETexRed (ECD), mCherry, PEDazzle, PECF594, mScarlet	C	600LP	610/20
YellowGreen 561nm	YG670	PECy5, 7-AAD, PI	B	635LP	670/30
YellowGreen 561nm	YG780	PECy7, PEVio770	A	750LP	780/60
Red 640nm	R670	APC, Alexa647, CF647, Cy5	C	655LP	670/30
Red 640nm	R730	Alexa700, APCAlexa700	B	690LP	730/45
Red 640nm	R780	APCCy7, APCAlexa750, APCVio770, APCeF780, ZombieNIR	A	750LP	780/60