

The AriaFusion "Terpsichore" is equipped with (5) currently 4 lasers and 15 fluorescence channels.

Laser	Detector Name	fluorochrome detected (examples)	PMT	Dichroic LP Filter	BP Filter
UV 355nm	UV379	BUV390	C	empty	379/28
UV 355nm	UV450	UV not available at the moment	B	410LP	450/50
UV 355nm	UV740	BUV737	A	690LP	740/35
Violet 405nm	V450	BV421, PacB, V450, VioB, BFP, DAPI	F	empty	450/50
Violet 405nm	V525	BV510, V500, AmCyan, PacO, DAPI, VioG, KromeO	E	505LP	525/50
Violet 405nm	V610	BV605	D	595LP	610/20
Violet 405nm	V660	BV650	C	630LP	660/20
Violet 405nm	V710	BV711	B	690LP	710/50
Violet 405nm	V780	BV785, BV786	A	750LP	780/60
Blue 488nm	SSC	Side Scatter	C	empty	488/10
Blue 488nm	B530	FITC, Alexa488, GFP, CFSE, BB515, VioB515, zsGreen, mVenus	B	502LP	530/30
Blue 488nm	B695	PerCPCy5.5, PerCPVio700, PerCPeF710, PI	A	655LP	695/40
YellowGreen 561 nm	YG582	PE, dsTomato, dsRed, RFP, CTYellow	D	empty	582/15
YellowGreen 561 nm	YG610	PETexRed (ECD), mCherry, PEDazzle, PECF594, mScarlet	C	600LP	610/20
YellowGreen 561 nm	YG670	PECy5, 7-AAD, PI	B	630LP	670/14
YellowGreen 561 nm	YG780	PECy7, PEVio770	A	735LP	780/60
Red 640nm	R670	APC, Alexa647, CF647, Cy5	C	empty	670/30
Red 640nm	R730	Alexa700, APCAlexa700	B	690LP	730/45
Red 640nm	R780	APCCy7, APCAlexa750, APCVio770, APCeF780, ZombieNIR	A	755LP	780/60