

**Amnis Imagestream MK II**

Laser: 405, 488, 561, 642, 785 nm  
 Detection: 6 fluorescence channels (or 5 fluorescence channels + SSC)  
 Operation mode: Service measurement and autonomous  
 Features: Samples: 1.5 mL Eppendorf tube; No separation of separate laser channels! **Only one fluorochrom per Detector Band**

Excitation Laser (nm)	Detector Band (nm)	Channel name	Dyes (e.g.)
405	470 / 35	V1	BV421; Pacific Blue; AF405; VioBlue; eF405; V405; DAPI
	532 / 27,5	V2	BV510; V500; Pacific Orange; Cascade Yellow, AF430, eFluor525, QD525
	577,5 / 17,5	V3	QD565, QD585, eFluor565
	618,5 / 23,5	V4	QD625, eFluor625, BV605
	693,5 / 51,5	V5	QD705, eFluor700, BV711
	762,5 / 17,5	V6	QD800, BV786
488	532 / 27,5	B1	Fitc, AF488, GFP, YFP, DyLight488, PKH67, Syto13, LysoTrackerGreen, MitoTrackerGreen
	577,5 / 17,5	B2	PE, PKH26, DSRed, mOrange, Sytox Orange, Cy3
	618,5 / 23,5	B3	PE-TexRed, PI, RFP, QD625, eFluor625
	693,5 / 51,5	B4	PE-Cy5, PE-AF647, 7AAD, PerCP, PerCP-Cy5.5, DRAQ5, QD705
	762,5 / 17,5	B5	PE-Cy7, PE-AF750, QD800
561	577,5 / 17,5	Y2	PE, AF546, Cy3, DyLight550, PKH25, DSRed
	618,5 / 23,5	Y3	AF568, Cy3, PE-TexRed, TexRed, AF610, RFP, mCherry, PI
	693,5 / 51,5	Y4	PE-Cy5, PE-AF647, DRAQ5, 7AAD
	762,5 / 17,5	Y5	PE-Cy7, PE-AF750
642	693,5 / 51,5	R1	APC, AF647, AF660, AF680, Cy5, DyLight649, PE-AF647, PE-Cy5, DRAQ5, PerCP, PerCP-Cy5.5
	762,5 / 17,5	R2	APC-Cy7, APC-AF750, APC-H7, Cy7, AF750, PE-Cy7, PE-AF750
785	762,5 / 17,5	SSC	SSC