

FV10i

Stage	Objectives: Remote		Resolution pixel size (um) /		Fluorescence			
	Type	NA	Note that there is a zoom option you need to take in account!		Light source (Laser diode)	Pre-Set dyes	Excitation λ (Peak)	Emission λ (Peak or Full Width)
Motorized focus with minimum increment: 0.01µm  Automatic detection of interface between specimen and cover glass by laser reflection light detection	10x phase contrast objective	0.4	256x256	4.97	405 nm (18mW)	Blue	405	420-520
			512x512	2.486	473 nm (12.5mW)	Blue narrow	405	420-460
			1024x1024	1.243	559 nm	Green	473	490-590
			256x256	0.828	640 nm (10mW)	Green-narrow	473	490-540
	60x phase contrast oil-immersion objective	1.35	512x512	0.414	640 nm (10mW)	Red	559	570-670
			1024x1024	0.27		Red narrow	559	570-620
						FarRed	635	660-760
						FarRed narrow	635	660-710
						Acridine Orange/DNA	502	526
						Alexa Fluor 405	401	422
		Alexa Fluor 488	499	520				
		Alexa Fluor 546	557	572				
		Alexa Fluor 568	577	603				
		Alexa Fluor 594	590	618				
		Alexa Fluor 633	631	647				
		Alexa Fluor 647	653	668				
		Azami Green	493	505				
		Calcium crimson	589	609				
		Calcium green-1	506	529				
		Calcium green-2	506	529				
		Calcium green-5N	506	529				
		Calcium orange	549	574				
		Calcium orange-5N	549	574				
		Cy2	490	504				
		Cy3	547	567				
		Cy3.5	578	592				
		Cy5	645	664				
		Cy5.5	673	693				
		Dapi	359	461				
		Dil	551	569				
		Dio	491	506				
		dKeima-Red	440	616				
		DRAQS	647	683				
		Ds-Red2	563	581				
		EGFP	489	510				
		EYFP	480	527				
		FITC	495	519				
		fluo-3	506	527				
		fluo-4	494	516				
		fura Red(Ca-free)	472	670				
		Hc-Red1	590	613				
		Hoechst33258	352	455				
		Hoechst33342	352	455				
		Lucifer yellow	428	536				
		Magnesium Green(Mg)	507	531				
		Magnesium Green(zn)	507	531				
		Magnesium orange	550	574				
		mcherry	580	610				
		Midoriishi-Cyan	470	496				
		Mito Tracker Red	578	598				
		mKeima-Red	443	620				
		mKusabira-Orange	548	559				
		Oregon Green 488Bapta	498	526				
		Oregon Green 488Bapta	498	526				
		Oregon Green 488Bapta	498	526				
		Pi	537	619				
		POPO-3	533	574				
		Qdot525	400	524				
		Qdot585	400	586				
		Qdot605	400	604				
		Qdot655	400	655				
		Qdot705	400	706				
		rhod-2	553	577				
		Rhodamine Green	497	523				
		Rhodamine Phalloidin	558	575				
		Rhodamine Red-X	572	591				
		Texas Red	595	612				
		To-Pro-3	642	657				
		TOTO-3	642	661				
		TRITC	552	578				
		X-rhod-1	580	601				
		YOYO-1	491	508				
		GFP/mcherry/FRET	489	510-610				