Leica DMI6000B

Microscope Base	Objectives	Camera: Hamamatsu ORCA R2 C10600-10B (digital ccd camera)		Stage-Piezo	Brightfield/DIC		Epifluorescence				
	Type	Pixel size	Pixel size with 1.6 lens		Light source	Cube filter	Light source	Fluorescence Cube filter Semrock (Ex/Em peak)	Excitation λ (peak/Full Width at ½ max)	Emission λ (peak/Full Width at ½ max)	Reflexion band of dichroic
LEICA 6000B controler Leica CTR6500	Nplan 10x 0.25 (dry)	0.642	0.401	MLC MS-2000 XY piezo inverted stage resolution 1.5 nm, Range motion 100µm +/- 5%	Halogen lamp	Brigthfield	Leica EL6000 mercury short-arc reflector lamp	DAPI 1160A	360	460	410LP
	Nplan L 20X 0.35 (dry)	0.32	0.200			DIC		GFP3035B	472/30	520/35	495
	HCX PL APO 40x 1.25-0.75 (oil)	0.161	0.101			Polarised		Texas red 4040B	562/40	624/40	530-585
	HCX PL APO 63x 1.40-0.6 (oil)	0.102	0.064					CY5 4040A	628/40	692/40	660

Leica DM6000B

Microscope Base	Objectives		Camera: Hamamatsu ORCA ER (digital ccd camera) 1344x1024	Stage	Brightfield/DIC/Pol		Epifluorescence			
	Type	NA	Pixel size		Light source	Cube filter	Light source	Fluorescence Cube filter	Excitation λ (peak/Full Width at ½ max)	Emission λ (peak/Full Width at ½ max)
LEICA DM6000B controler Leica CTR6000	Hiplan 10x 0.25 (dry)	0.25	0.658	Motorized Stage controlled by SmartMove element	Halogen lamp	BF	Mercury lamp HBO103W/2	DAPI 5060B	377/50	447/60
	HCX PL S APO 40x 0.75 (dry)	0.75	0.152			DIC		HQ GFP NB 41020	480/20	510/20
	HCX PL APO 63x 1.40-0.6 (oil)	1.4	0.098	Warming stage Leica MATS		Polarizer		FITC 3450B	482/35	536/40
	HCX PLFLUO TAR 100x 1.30-0.6 (oil)	1.3	0.061					TxRed 4040B	562/40	624/40

Epifluorescence Nikon TiE

Microscope Base	Stage	Brightfield/DIC/Pol		Epifluorescence													
				Objectives		**Pixel size with Camera**: Photometrics **Evolve** 512x512, 10MHz, EMCCD. **With zoom 1x/1.5x**	**Pixel size with Camera:** Photometrics **Kino coolsnap** 1940 x 1460, 20 MHz, CCD **With zoom 1x/1.5x**	**Light source: Héliophor**					**Light source: Lambda XL short arc mercury lamp**				
		Light source	Cube filter	Type	NA			LED channel	Fluorescence Cube filter	Excitation λ (peak/Full Width at ½ max)	dichroic beamsplitter	Emission λ (peak/Full Width at ½ max)	Fluorescence excitation Cube filter	Excitation λ (peak/Full Width at ½ max)	Fluorescence Cube filter in excitation/emissi	Excitation λ (peak/Full Width at ½ max)	Emission λ (peak/Full Width at ½ max)
Eclipse TI-E inverted microscope	motorized stage and NIDAQ piezo	Ti-DH Dia pillar illuminator 100W. Halogen lamp 12V-100L.L	#6-Analyzer	CFI 10x Plan Apo lambda; DRY; WD 45mm; CS 0,17mm	0.45			LED 405nm (402nm/15nm), 175mW	DAPI 31000v2	removed	BS 400DCLP	EM D460/50M	3-BCECF-2	495/10			
				CFI PLAN APO 20X LAMBDA	0.75	0.8/0.53	0.45/0.30		#3-BCECF (GFP)		BS 515	EM 535/25	4-BCECF-1	440/20			
				CFI 40X Plan Apo Lambda; DRY; WD 0,21mm; CS 0,11-0.23mm	0.95	0.4/0.27	0.23/0.15	LED 480 nm (475/50), 450mW	#5-Custom 515/FM4-64		BS 515	EMS50LP	5-Fura 2a	340/16			
				CFI 60x Plan Apo Lambda, oil, WD0. 130mm	1.4	0.27/0.18	0.15/0.10	LED 555nm (560/50), 365mW	mCherry/TxRed	ET560/40	BS T585LP	ET630/75	6-Fura 2b	380/12			
				100X Plan Apo lambda; Oil; WD 0,13mm; CS 0,17mm	1.45	0.16/0.11	0.09/0.06	LED 640nm, (635/60) 240mW					7-CFP	430/24			
								ALL LED	#4-Quad custom			425-477 + 503-542 + 571-628 + 661-728	8-YFP	500/20			
								LED 480	CFP/YFP 51017	removed	BS 462/25 + 520LP	EM 466/25 + 543/40	9-mCherry	577/25			
								LED 480 and 555	CFP/YFP/mcherry 69308	ET430/24x + ET500/20 + ET 577/25x	450-490 + 510-565 + 590-680	457-480 + 520-550 + 600-680					
									ET/mch/TR 96365	ET560/40	T585LP	ET630/75m					
									ET FURA2 79001	ET340 + ET 380	T400LP	ET510/80m					

Microscope Base	Stage	TIRF							
		Objectives		**Pixel size with Camera**: Photometrics **Evolve**	**Pixel size with Camera:** Photometrics **Kino**	Fluorescence			
		Type	NA			Light source	Cube filter	Excitation λ (peak/Full Width at ½ max)	Emission λ (peak/Full Width at ½ max)
Eclipse TI-E inverted microscope	motorized stage and NIDAQ piezo	CFI APO TIRF 60x oil	1.49	0.27/0.18	0.15/0.10	Laser diode 484nm	#1TIRF 488	480/40	520/75
		CFI Apo TIRF 100x oil	1.49	0.16/0.11	0.09/0.06	Laser diode 561nm	#2-TIRF 561	560/40	630/75

NIKON Livescan Sweptfield Confocal

Microscope Base	Stage	Objectives		Pixel size with Camera: Andor Ixon3 512x512, EMCCD With zoom 1x	Pixel size with Camera: Photometrics Coolsnap HQ2 1392x1040, CCD With zoom 1x	Brightfield		Epifluorescence					Sweptfield Confocal			
								Light source: Héliophor					Light source: Agilent MLC400 Monolithic Laser Combiner			
		Type	NA			Light source	Cube filter	LED channel	Fluorescence Cube filter	Excitation λ (peak/Full Width at ½ max)	dichroic beamsplitter	Emission λ (peak/Full Width at ½ max)	Laser	Fluorescence filter (on the filter wheel)	Excitation λ (peak/Full Width at ½ max)	Emission λ (peak/Full Width at ½ max)
Eclipse TI-E inverted microscope	motorized stage and NIDAQ piezo: MLC Nano Z100-N resolution 0.2 nm, Range motion 100µm. Perfect focus : Ti-ND6-PFS	Diascopic Plan APO 20x dry	0.75	0.81	0.32	Ti-DH Dia pillar illuminator 100W. Halogen lamp 12V-100L.L	Analyzer	LED 405nm (402nm/15), 175mW	Quad custom	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728	Diode 405 nm	Quad		430-485 +520-550 +590-630 +680-740
		CFI PLAN APO 40x AIR	0.95	0.4	0.16			LED 480 nm (475/50), 450mW	FITC	465-495	505	515-555	Diode 488 nm	GFP narrow		520/40
		CFI Super Fluor 40x oil WD 0.22mm	1.3	0.4	0.16				Quad	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728		GFP/mcherry		500-544 + 600-665
		CFI Plan APO VC 60X oil WD 0.13 mm	1.4	0.27	0.11				Custom 515/FM4-64		BS 515-700	EM550LP		Quad		430-485 +520-550 +590-630 +680-740
		CFI PLAN APO Lambda 100x oil WD 0.13mm	1.45	0.16	0.06			LED 555nm (560/50), 365mW	TRITC	528-553	565	590-650	Diode 561 nm	GFP/mcherry		500-544 + 600-665
									Quad custom	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728		Quad		430-485 +520-550 +590-630 +680-740
								LED 640nm, (635/60) 240mW	Quad	405/20 +488/20 +561/20 + 640/20		425-477 + 503-542 + 571-628 + 661-728	Diode 640 nm	Quad		430-485 +520-550 +590-630 +680-740

FV10i

Stage	Objectives: Remote switching from software by electric revolver		Resolution / pixel size (um) Note that there is a zoom option you need to take in account!		Fluorescence			
	Type	NA			Light source (Laser diode)	Pre-Set dyes	Excitation λ (Peak)	Emission λ (Peak or Full Width)
Motorized focus with minimum increment: 0.01µm	10× 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
Automatic detection of interface between specimen and cover glass by laser reflection light detection			1024x1024	1.243	559 nm	Green	473	490-590
	60× phase contrast oil-immersion objective	1.35	256x256	0.828	640 nm (10mW)	Green-narrow	473	490-540
			512x512	0.414		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 orage-5N	549	574
						Cy2	490	504
						Cy3	547	567
						Cy3.5	578	592
						Cy5	645	664
						Cy5.5	673	693
						Dapi	359	461
						DiI	551	569
						Dio	491	506
						dKeima-Red	440	616
						DRAQ5	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-1	498	526
Oregon Green 488Bapta-2	498	526
Oregon Green 488Bapta-5N	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