

The Laser, the 1st dichroic mirror and the emission filter of the Nikon A1Rsi in Yamate area

1. Laser

Laser	Wavelength (nm)
36 mW 405 nm Diode Laser (変調)	405
40 mW 457, 488, 514 nm Multi Ar Laser	457 / 488 / 514
10 mW 561 nm Solid Laser	561
10 mW 640 nm Diode Laser (変調)	640

2. 1st Dichroic mirror

1 st dichroic mirror	Reflective Wavelength (nm)	Transmissive Wavelength (nm)
405 / 488	400-413 / 487-489	423-478 / 498-600
405 / 488 / 561	400-413 / 487-489 / 560-562	423-478 / 498-550 / 572-700
405 / 488 / 561 / 640	400-413 / 487-489 / 560-562 / 636-641	423-478 / 498-550 / 572-626 / 651-750
457 / 514	400-458 / 513.5-515.5	468-504 / 524-600
405 / 488 / 543 / 640	400-413 / 487-489 / 542.5-544.4 / 636-641	423-478 / 498-533 / 553-675
BS 20 / 80	400-750	400-750
457 / 514 / 561	400-458 / 513.5-515.5 / 560-562	468-504 / 524-550 / 572-700

3. Emission filter and dichroic mirror for each position

Name	Position 1			Position 2			Position 3		
	EM1	DM	EM2	EM1	DM	EM2	EM1	DM	EM2
450 / 50	450/50	495LP	none						
482 / 35	482/35	515LP	none						
479 / 40	479/40	514LP	none						
525 / 50				525/50	560LP	none			
538 / 40				538/40	580LP	none			
540 / 30				540/30	640LP	none			
595 / 50 700 / 75							595/50	640LP	700/75