

Laser power in μW measured in the sample plane for different settings of laser line power percentage and with different objectives; WLL was set to 70% and Ar⁺ laser to 50% (measured on 18/03/2020).

405 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	1804	1524	2487	1990	452
50%	924	854	1287	1040	232
10%	184	174	257	220	48
5%	94	86	132	110	24
1%	20	19	27	23	5.5
0.5%	10	10	15	12	3.0
442 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	174	185	279	257	103
50%	86	90	139	127	53
10%	17	18	27	26	10
5%	8.4	8.5	14	13	5.0
1%	1.7	1.5	2.0	2.6	0.7
458 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	39	41	67	46	23
50%	20	21	32	23	12
10%	3.4	4.2	7.0	4.6	2.0
476 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	104	110	183	123	63
50%	52	56	88	58	32
10%	10	12	17	11	6.0
5%	4.7	6.0	8.5	5.7	3.0
488 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	444	455	683	519	273
50%	209	225	313	249	128
10%	40	43	60	49	25
5%	20	22	30	25	12
1%	3.3	4.4	6.0	4.8	2.0
496 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	100	120	173	119	67
50%	46	55	78	54	31
10%	9.0	11	15	11	5.5
5%	4.3	5.7	8.2	5.0	2.7
514 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	374	405	654	440	253
50%	184	200	319	220	123
10%	37	41	62	45	25
5%	18	21	32	23	12
1%		4.0	6.0	4.1	2.0
561 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4
100%	744	905	1695	891	593
50%	364	455	815	471	293
10%	72	90	160	91	55
5%	34	43	75	43	27
1%	5.4	7.5	13	7.0	4.0

WLL laser lines						
488 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4	
100%	96	95	123	85	53	
50%	52	50	63	47	28	
10%	11	11	13	10	5.5	
5%	5.2	5.5	7.0	5.0	2.7	
514 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4	
100%	71	73	94	70	41	
50%	56	56	74	57	32	
10%	12	13	16	12	6.5	
5%	6.2	6.5	9.0	6.0	3.2	
561 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4	
100%	164	275	225	181	103	
50%	79	160	110	91	48	
10%	15	35	22	17	9.2	
5%	7.7	18	11	7.5	4.5	
1%		3.9	2.5	0.5		
595 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4	
100%	254	275	365	283	158	
50%	154	160	215	173	93	
10%	31	35	45	36	20	
5%	16	18	22	19	10	
1%	3.0	3.9	4.0	3.7		
640 nm	20x/0.4	40x/0.85	40x/1.1 W	63x/1.4	100x/1.4	
100%	284	305	456	344	188	
50%	184	195	286	219	118	
10%	39	40	61	47	25	
5%	19	21	30	24	12	
1%	3.3	4.2	6.0	4.5		