

Table 1. Fluorophore Spectral data and corresponding laser for Excitation ([PDF file](#))

Fluorophore	Ex peak Peak (20% range) ²	Percent Peak value for individual laser ¹						Em peak Peak (20% range) ²
		458	476	488	514	568	633	
SYTOX blue	445 (405-464)	48,9	1,9	0	0	0	0	470 (450-527)
BoBo-1	461 (410-486)	97,1	49	17,9	8	0	0	484 (465-555)
PI	538 (450-590)	24,59	40,73	54,88	88,59	61,59	8,05	603 (576-668)
FITC	495 (450-517)	35,3	56,4	88	28,7	0	0	519 (497-575)
Alexa 488	499 (457-522)	21,93	45,45	75,18	49,37	0	0	520 (497-572)
Oregon Green	513 (466-533)	12,47	33,63	41,78	99,38	0	0	533 (511-587)
TRITC / TMRho	552 (500-577)	2,21	5,8	10,47	33,19	51,77	0	578 (552-640)
Alexa 568	577 (519-600)	1,24	2,72	5,42	15	85,53	0	603 (576-668)
Texas Red	595 (537-623)	0	0	0,64	5,78	35,32	7,06	613 (590-674)
Cy5	648 (583-673)	0	0	0	0	10	63	665 (642-700)
Alexa 610-R-PE	567 (470-584)	12,31	28,51	51,97	46,95	99,16	4,94	627 (580-665)
Alexa 647-R-PE	568 (470-674)	10,26	26,29	48,65	45,72	100	29,03	666 (641-700)
Alexa 660	663 (538-700)	2,55	4	5,74	11,41	35,68	71,07	691 (660-730)
Alexa 680	679 (580-716)	1,3	1,57	1,95	3,51	15,58	55,82	702 (672-740)
ECFP	430 (380*-477)	68	21	8	0	0	0	474 (450-550)
EGFP	494 (420-518)	57	80	96	36	0	0	510 (490*-564)
EYFP	520 (475-531*)	8	23	35	95	0	0	535 (513-590)
DsRed	553 (457-577)	21	36	40	64	58	0	585 (558-653)

Note:

1. The percentage in table 1 should not be used as the setting for AOTF percentage (as more than one user asked). They speak totally different things. value in table 1 indicate the percent of fluorophore excited under one laser line. AOTF percentage means the percent of light from laser source delivered to the specimen. Maybe, the low value in table 1 implies you have to use high AOTF percentage and vice versa.

2. The range in parenthesis indicates the 20% boundary on both side, at that wavelength, the intensity drop to 20% of its peak value. Value with * means until there, it has not dropped below 20%, further data is not available.