

Fluorescent Dye	Formula Weight (g/mol)	Absorbance (nm)	Emission (nm)	Extinction Coefficient	Fluorescent Colour
5' 6-Carboxyfluorescein (FAM)	537.5	495	520	83000	Yellow-Green
3' 6-Carboxyfluorescein (FAM)	569.5	495	520	83000	Yellow-Green
Fluorescein (5,6 Carboxyfluorescein)	537.5	495	520	83000	Yellow-Green
6-Tetrachlorofluorescein (TET)	675.2	521	536	73000	Yellow-Green
CAL Fluor Gold 540	811.51	522	541	74700	Yellow
JOE	487.0	520	548	73000	Yellow
6-Hexachlorofluorescein (HEX)	744.1	535	556	73000	Yellow-Orange
CAL Fluor Orange 560	843.82	537	558	81000	Yellow-Orange
LightCycler Red 610	825.0	590	610	n.a.	Red
LightCycler Red 640	758.0	625	640	n.a.	Red
LightCycler Red 670	820.0	645	670	n.a.	Red
LightCycler Red 705	753.0	685	705	n.a.	Red
Oregon Green 488	394.0	496	516	76000	Yellow-Green
Oregon Green 500	431.0	499	519	84000	Yellow-Green
Oregon Green 514	494.0	506	526	85000	Yellow-Green
5(6)-Carboxytetramethylrhodamine (TAMRA)	412.5	546	576	90000	Yellow-Orange
6-Carboxytetramethylrhodamine (TAMRA)	413.0	544	576	90000	Yellow-Orange
5(6)-Carboxy-X-Rhodamine (ROX)	516.7	576	601	82000	Red - Orange
Texas Red	702.0	583	603	116000	Red - Orange
CAL Fluor Red 610	919.91	590	610	108000	Red
Rhodamin ITC, mixed isomers	548.0	572	596	92000	Orange
Rhodamine Red	654.0	560	580	129000	Yellow-Orange
Rhodamine Green	394.0	503	528	74000	Yellow-Green
Cy3	508.6	552	570	150000	Yellow
Cy5	534.6	643	667	250000	Red
Cy5.5	634.8	675	694	250000	Red
Cy3.5	576.7	581	596	150000	Yellow-Orange
WeIRED D2-PA	611.0	750	770	170000	Red
WeIRED D3-PA	645.0	685	706	224000	Red
WeIRED D4-PA	544.8	650	670	203000	Red
IRD 700	891.2	685	712	170000	Red
IRD 800	990.3	795	819	270000	Red
Carboxynaphthofluorescein	458.5	598	668	42000	Red
Alexa Fluor 350	295.4	346	442	19000	Blue
Alexa Fluor 405	912.9	401	421	35000	Violet
Alexa Fluor 430	586.8	434	541	16000	Yellow

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Alexa Fluor 488	528.4	495	519	71000	Yellow-Green
Alexa Fluor 532	608.8	532	554	81000	Yellow
Alexa Fluor 546	964.4	556	573	104000	Yellow-Orange
Alexa Fluor 555	850.0	555	565	150000	Yellow
Alexa Fluor 568	676.8	578	603	91300	Red - Orange
Alexa Fluor 594	704.9	590	617	73000	Red - Orange
Alexa Fluor 633	1085.0	632	647	100000	Red
Alexa Fluor 647	850.0	650	665	239000	Red
Alexa Fluor 660	985.0	663	690	132000	Red
Alexa Fluor 680	1035.0	679	702	184000	Red
Alexa Fluor 700	1285.0	702	723	192000	Red
Alexa Fluor 750	1185.0	749	775	240000	Near-IR