

FLOW CYTOMETRY SELECTION GUIDE

Fluorophore	Laser	Ex (nm)	Em (nm)	Brightness
mFluor™ UV375	350	351	387	6
mFluor™ UV460	350	358	456	4
mFluor™ Violet 450	405	406	445	6
mFluor™ Violet 500	405	410	501	5
mFluor™ Violet 510	405	412	505	5
mFluor™ Violet 540	405	402	535	2
mFluor™ Violet 610	405	421	613	4
Alexa Fluor® 488	488	499	520	7
Fluorescein	488	498	517	6
iFluor® 488	488	491	516	8
mFluor™ Blue 590	488	569	589	3
mFluor™ Blue 620	488	589	616	3
PE	488	566	574	10
PE-Cy5	488	565	666	9
PE-Cy5.5	488	565	671	9
PE-Cy7	488	566	778	9
PE-iFluor® 594	488	566	606	9
PE-iFluor® 750	488	566	778	9
PE-Texas Red®	488	567	615	9
mFluor™ Green 620	532	525	623	1
TRITC	532	540	565	7
Cy3	561	554	568	4
mFluor™ Yellow 630	561	570	632	1
Texas Red®	561	586	603	4
APC	640	651	660	9
APC-Alexa Fluor® 750	640	650	774	7
APC-Cy7	640	651	779	7
APC-iFluor® 750	640	651	780	8
Cy5	640	650	669	7
Cy5.5	640	683	703	5
Cy7	640	754	778	2
Indocyanine Green	640	788	813	1
mFluor™ Red 700	640	680	695	3
mFluor™ Red 780	640	629	767	2

* Brightness scale is 1 (dimpest) to 10 (brightest), as a comparison of all included dyes. Brightness is computed as a function of extinction coefficient and quantum yield. Actual performance will vary due to instrumentation settings. Guide above was developed on a Cytex flow cytometer.

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