

Table of Fluorochromes

This is a table of some characteristics of fluorochromes useful for flow cytometry or fluorescence microscopy. Within groups, roughly in order of excitation wavelength (families excepted). Peak excitation and emission wavelengths often vary depending on the environment in which the probe finds itself. Be sure to also look up the excitation and emission spectra for your dye of choice. Note that colors you might see with a capable browser are only a very rough approximation!

Probe	Ex (nm)	Em (nm)	MW	Notes
Cell function probes				
Indo-1	361/330	490/405	1010	AM ester. Low/High Ca ⁺⁺
Fluo-3	506	526	855	AM ester. pH > 6
DCFH	505	535	529	2'7'Dichlorodihydrofluorescein, oxidized form
DHR	505	534	346	Dihydrorhodamine 123, oxidized form, light catalyzes oxidation
SNARF	548/579	587/635		pH 6/9