

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 |
|---|---------|---------|------|---------|
| Alexa Fluor dyes [antibody conjugates] (<i>Molecular Probes</i>) | | | | |
| Alexa Fluor 350 | 343 | 442 | 410 | |
| Alexa Fluor 405 | 401 | 421 | 1028 | |
| Alexa Fluor 430 | 434 | 540 | 702 | |
| Alexa Fluor 488 | 499 | 519 | 643 | QY 0.92 |
| Alexa Fluor 500 | 503 | 525 | 700 | |
| Alexa Fluor 514 | 517 | 542 | 714 | |
| Alexa Fluor 532 | 530 | 555 | 724 | QY 0.61 |
| Alexa Fluor 546 | 561 | 572 | 1079 | QY 0.79 |
| Alexa Fluor 555 | 553 | 568 | 1250 | QY 0.1 |
| Alexa Fluor 568 | 579 | 603 | 792 | QY 0.69 |
| Alexa Fluor 594 | 591 | 618 | 820 | QY 0.66 |
| Alexa Fluor 610 | 610 | 629 | 1285 | |
| Alexa Fluor 633 | 632 | 648 | 1200 | |
| Alexa Fluor 647 | 652 | 668 | 1300 | QY 0.33 |
| Alexa Fluor 660 | 663 | 691 | 1100 | |
| Alexa Fluor 680 | 680 | 702 | 1150 | |
| Alexa Fluor 700 | 696 | 719 | 1400 | |
| Alexa Fluor 750 | 752 | 776 | 1300 | |
| Alexa Fluor 790 | 782 | 804 | 1750 | |