| Fluorescent Dyes | Excitation | Emission |
| --- | --- | --- |
| Alexa 405 | 401 nm | 421 nm |
| DyLight 405 | 399 nm | 434 nm |
| Pacific Blue | 404 nm | 455 nm |
| Pacific Blue antibody conjugate pH 8.0 | 404 nm | 455 nm |
| PO-PRO-1 | 434 nm | 457 nm |
| PO-PRO-1-DNA | 435 nm | 457 nm |
| POPO-1 | 433 nm | 457 nm |
| POPO-1-DNA | 433 nm | 458 nm |
| SYTOX Blue-DNA | 445 nm | 470 nm |
| CFP (Cyan Fluorescent Protein) | 434 nm | 474 nm |
| eCFP (Enhanced Cyan Fluorescent Protein) | 437 nm | 476 nm |
| BO-PRO-1-DNA | 462 nm | 482 nm |
| BOPRO-1 | 462 nm | 482 nm |
| BOBO-1-DNA | 461 nm | 484 nm |
| SYTO 45-DNA | 451 nm | 486 nm |
| evoglow-Pp1 | 448 nm | 495 nm |
| evoglow-Bs1 | 448 nm | 496 nm |
| evoglow-Bs2 | 448 nm | 496 nm |
| Auramine O | 431 nm | 501 nm |
| DiO | 487 nm | 501 nm |
| LysoSensor Green pH 5.0 | 447 nm | 502 nm |
| Cy 2 | 489 nm | 503 nm |
| LysoSensor Green | 447 nm | 504 nm |
| SYTO 13-DNA | 488 nm | 506 nm |
| YO-PRO-1-DNA | 491 nm | 507 nm |
| YOYO-1-DNA | 491 nm | 509 nm |
| eGFP (Enhanced Green Fluorescent Protein) | 488 nm | 509 nm |
| LysoTracker Green | 503 nm | 509 nm |
| GFP (S65T) | 489 nm | 509 nm |
| BODIPY FL, MeOH | 502 nm | 511 nm |
| BODIPY FL conjugate | 503 nm | 512 nm |
| MitoTracker Green | 490 nm | 512 nm |
| MitoTracker Green FM, MeOH | 490 nm | 512 nm |
| Fluorescein 0.1 M NaOH | 493 nm | 513 nm |
| Calcein pH 9.0 | 494 nm | 514 nm |
| Fluorescein pH 9.0 | 490 nm | 514 nm |
| Calcein | 493 nm | 514 nm |
| Fluo-4 | 494 nm | 516 nm |
| FDA | 495 nm | 517 nm |
| DTAF | 495 nm | 517 nm |
| Fluorescein | 495 nm | 517 nm |
| Fluorescein antibody conjugate pH 8.0 | 493 nm | 517 nm |
| CFDA | 495 nm | 517 nm |
| FITC | 495 nm | 517 nm |
| Alexa Fluor 488 hydrazide-water | 493 nm | 518 nm |
| DyLight 488 | 493 nm | 518 nm |
| 5-FAM pH 9.0 | 492 nm | 518 nm |
| FITC antibody conjugate pH 8.0 | 495 nm | 519 nm |
| Alexa 488 | 493 nm | 520 nm |
| Rhodamine 110 | 497 nm | 520 nm |
| Rhodamine 110 pH 7.0 | 497 nm | 520 nm |
| Acridine Orange | 431 nm | 520 nm |
| Alexa Fluor 488 antibody conjugate pH 8.0 | 499 nm | 520 nm |
| BCECF pH 5.5 | 485 nm | 521 nm |
| PicoGreendsDNA quantitation reagent | 502 nm | 522 nm |
| SYBR Green I | 498 nm | 522 nm |
| Rhodaminen Green pH 7.0 | 497 nm | 523 nm |
| CyQUANT GR-DNA | 502 nm | 523 nm |
| NeuroTrace 500/525, green fluorescent Nissl stain-RNA | 497 nm | 524 nm |
| Rhodol Green antibody conjugate pH 8.0 | 499 nm | 524 nm |
| Fluoro-Emerald | 495 nm | 524 nm |
| Nissl | 497 nm | 524 nm |
| Fluorescein dextran pH 8.0 | 501 nm | 524 nm |
| Rhodamine Green | 497 nm | 524 nm |
| 5-(and-6)-Carboxy-2', 7'-dichlorofluorescein pH 9.0 | 504 nm | 525 nm |
| eYFP (Enhanced Yellow Fluorescent Protein) | 514 nm | 526 nm |
| Oregon Green 488 | 498 nm | 526 nm |
| Oregon Green 488 antibody conjugate pH 8.0 | 498 nm | 526 nm |
| Fluo-3 | 506 nm | 527 nm |
| BCECF pH 9.0 | 501 nm | 527 nm |
| Fluo-3 Ca2+ | 506 nm | 527 nm |
| Rhodamine 123, MeOH | 507 nm | 529 nm |
| FlAsH | 509 nm | 529 nm |
| Calcium Green-1 Ca2+ | 506 nm | 529 nm |
| Magnesium Green | 507 nm | 530 nm |
| DM-NERF pH 4.0 | 493 nm | 530 nm |
| Calcium Green | 506 nm | 530 nm |
| Citrine | 515 nm | 530 nm |
| TO-PRO-1-DNA | 515 nm | 531 nm |
| Magnesium Green Mg2+ | 507 nm | 531 nm |
| Sodium Green Na+ | 507 nm | 531 nm |
| TOTO-1-DNA | 514 nm | 531 nm |
| Oregon Green 514 | 512 nm | 532 nm |
| Oregon Green 514 antibody conjugate pH 8.0 | 513 nm | 533 nm |
| NBD-X | 466 nm | 534 nm |
| DM-NERF pH 7.0 | 509 nm | 537 nm |
| NBD-X, MeOH | 467 nm | 538 nm |
| CI-NERF pH 6.0 | 513 nm | 538 nm |
| Alexa 430 | 431 nm | 540 nm |
| Alexa Fluor 430 antibody conjugate pH 7.2 | 431 nm | 540 nm |
| CI-NERF pH 2.5 | 504 nm | 541 nm |
| Lucifer Yellow, CH | 428 nm | 542 nm |
| 6-TET, SE pH 9.0 | 521 nm | 542 nm |
| Eosin antibody conjugate pH 8.0 | 525 nm | 546 nm |
| Eosin | 524 nm | 546 nm |
| 6-Carboxyrhodamine 6G pH 7.0 | 526 nm | 547 nm |
| 6-Carboxyrhodamine 6G, hydrochloride | 525 nm | 547 nm |
| Bodipy R6G SE | 528 nm | 547 nm |
| BODIPY R6G, MeOH | 528 nm | 547 nm |
| 6 JOE | 520 nm | 548 nm |
| mBanana | 540 nm | 553 nm |
| Alexa Fluor 532 antibody conjugate pH 7.2 | 528 nm | 553 nm |
| Alexa 532 | 528 nm | 553 nm |
| Erythrosin-5-isothiocyanate pH 9.0 | 533 nm | 554 nm |
| 6-HEX, SE pH 9.0 | 534 nm | 559 nm |
| mOrange | 548 nm | 562 nm |
| mHoneydew | 478 nm | 562 nm |
| Cy 3 | 549 nm | 562 nm |
| Rhodamine B | 543 nm | 565 nm |
| DiI | 551 nm | 565 nm |
| 5-TAMRA-MeOH | 543 nm | 567 nm |
| Alexa 555 | 553 nm | 568 nm |
| Alexa Fluor 555 antibody conjugate pH 7.2 | 553 nm | 568 nm |
| DyLight 549 | 555 nm | 569 nm |
| BODIPY TMR-X, SE | 544 nm | 570 nm |
| BODIPY TMR-X, MeOH | 544 nm | 570 nm |
| PO-PRO-3-DNA | 539 nm | 571 nm |
| PO-PRO-3 | 539 nm | 571 nm |
| Rhodamine | 551 nm | 573 nm |
| Bodipy TMR-X conjugate | 544 nm | 573 nm |
| POPO-3 | 533 nm | 573 nm |
| Alexa 546 | 562 nm | 573 nm |
| BODIPY TMR-X antibody conjugate pH 7.2 | 544 nm | 573 nm |
| Calcium Orange Ca2+ | 549 nm | 573 nm |
| TRITC | 550 nm | 573 nm |
| Calcium Orange | 549 nm | 574 nm |
| Rhodaminephalloidin pH 7.0 | 558 nm | 575 nm |
| MitoTracker Orange | 551 nm | 575 nm |
| MitoTracker Orange, MeOH | 551 nm | 575 nm |
| Phycoerythrin | 565 nm | 575 nm |
| Magnesium Orange | 550 nm | 575 nm |
| R-Phycoerythrin pH 7.5 | 565 nm | 576 nm |
| 5-TAMRA pH 7.0 | 553 nm | 576 nm |
| 5-TAMRA | 549 nm | 577 nm |
| Rhod-2 | 552 nm | 577 nm |
| FM 1-43 | 472 nm | 578 nm |
| Rhod-2 Ca2+ | 553 nm | 578 nm |
| Tetramethylrhodamine antibody conjugate pH 8.0 | 552 nm | 578 nm |
| FM 1-43 lipid | 473 nm | 579 nm |
| LOLO-1-DNA | 568 nm | 580 nm |
| dTomato | 554 nm | 581 nm |
| DsRed | 563 nm | 581 nm |
| Tetramethylrhodamine dextran pH 7.0 | 555 nm | 582 nm |
| Fluor-Ruby | 554 nm | 582 nm |
| Resorufin | 571 nm | 584 nm |
| Resorufin pH 9.0 | 571 nm | 584 nm |
| mTangerine | 568 nm | 585 nm |
| LysoTracker Red | 578 nm | 589 nm |
| Lissaminerhodamine | 572 nm | 590 nm |
| Cy 3.5 | 578 nm | 591 nm |
| Rhodamine Red-X antibody conjugate pH 8.0 | 573 nm | 591 nm |
| Sulforhodamine 101, EtOH | 578 nm | 593 nm |
| JC-1 pH 8.2 | 593 nm | 595 nm |
| JC-1 | 592 nm | 595 nm |
| mStrawberry | 575 nm | 596 nm |
| MitoTracker Red | 578 nm | 599 nm |
| MitoTracker Red, MeOH | 578 nm | 599 nm |
| X-Rhod-1 Ca2+ | 580 nm | 602 nm |
| Alexa Fluor 568 antibody conjugate pH 7.2 | 579 nm | 603 nm |
| Alexa 568 | 576 nm | 603 nm |
| 5-ROX pH 7.0 | 578 nm | 604 nm |
| 5-ROX (5-Carboxy-X-rhodamine, triethylammonium salt) | 578 nm | 604 nm |
| BO-PRO-3-DNA | 574 nm | 604 nm |
| BOPRO-3 | 574 nm | 604 nm |
| BOBO-3-DNA | 570 nm | 605 nm |
| Ethidium Bromide | 524 nm | 605 nm |
| ReAsH | 597 nm | 608 nm |
| Calcium Crimson | 589 nm | 608 nm |
| Calcium Crimson Ca2+ | 590 nm | 608 nm |
| mRFP | 585 nm | 608 nm |
| mCherry | 587 nm | 610 nm |
| Texas Red-X antibody conjugate pH 7.2 | 596 nm | 613 nm |
| HcRed | 590 nm | 614 nm |
| DyLight 594 | 592 nm | 616 nm |
| Ethidium homodimer-1-DNA | 528 nm | 617 nm |
| Ethidiumhomodimer | 528 nm | 617 nm |
| Propidium Iodide | 538 nm | 617 nm |
| SYPRO Ruby | 467 nm | 618 nm |
| Propidium Iodide-DNA | 538 nm | 619 nm |
| Alexa 594 | 590 nm | 619 nm |
| BODIPY TR-X, SE | 588 nm | 621 nm |
| BODIPY TR-X, MeOH | 588 nm | 621 nm |
| BODIPY TR-X phallacidin pH 7.0 | 590 nm | 621 nm |
| Alexa Fluor 610 R-phycoerythrin streptavidin pH 7.2 | 567 nm | 627 nm |
| YO-PRO-3-DNA | 613 nm | 629 nm |
| Di-8 ANEPPS | 469 nm | 630 nm |
| Di-8-ANEPPS-lipid | 469 nm | 631 nm |
| YOYO-3-DNA | 612 nm | 631 nm |
| Nile Red-lipid | 553 nm | 636 nm |
| Nile Red | 559 nm | 637 nm |
| DyLight 633 | 624 nm | 646 nm |
| mPlum | 587 nm | 649 nm |
| TO-PRO-3-DNA | 642 nm | 657 nm |
| DDAO pH 9.0 | 648 nm | 657 nm |
| Fura Red, high Ca | 434 nm | 659 nm |
| Allophycocyanin pH 7.5 | 651 nm | 660 nm |
| APC (allophycocyanin) | 650 nm | 660 nm |
| Nile Blue, EtOH | 631 nm | 660 nm |
| TOTO-3-DNA | 642 nm | 661 nm |
| Cy 5 | 646 nm | 664 nm |
| BODIPY 650/665-X, MeOH | 646 nm | 664 nm |
| Alexa Fluor 647 R-phycoerythrin streptavidin pH 7.2 | 569 nm | 666 nm |
| DyLight 649 | 652 nm | 668 nm |
| Alexa Fluor 647 antibody conjugate pH 7.2 | 653 nm | 668 nm |
| Alexa 647 | 653 nm | 669 nm |
| Alexa 660 | 664 nm | 691 nm |
| Alexa Fluor 660 antibody conjugate pH 7.2 | 663 nm | 691 nm |
| Cy 5.5 | 673 nm | 692 nm |
| Alexa Fluor 680 antibody conjugate pH 7.2 | 679 nm | 702 nm |
| Alexa 680 | 679 nm | 703 nm |
| DyLight 680 | 678 nm | 706 nm |
| Alexa Fluor 700 antibody conjugate pH 7.2 | 696 nm | 719 nm |
| Alexa 700 | 696 nm | 720 nm |