| 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  |