



KCRB BD Symphony Configuration

KCRB
Room 4161

SN: H66096400034

| Laser | PMT Name | Filter | Recommended Fluorophores | Fluorescent Proteins | Proliferation Dyes | Cell Cycle Dyes | Viability Dyes |
|--------------------------|--------------|---------------|--|----------------------|--------------------|------------------|--|
| 355 nm (100mW) | 355-1 | 379/28 | BUV 395 | | | | |
| | 355-2 | 450/50 | DAPI | | CellTrace Blue | Hoechst 33342 | LIVE/DEAD Fixable Blue Zombie UV |
| | 355-3 | 515/30 | BUV 496 | | | | |
| | 355-4 | 586/15 | | | | | |
| | 355-5 | 610/20 | BUV 615 | | | | |
| | 355-6 | 670/30 | BUV 661 | | | | |
| | 355-7 | 740/35 | BUV 737 | | | | |
| | 355-8 | 820/60 | BUV 805 | | | | |
| 405 nm (200mW) | 405-1 | 431/28 | BV 421 Horizon V450 Pacific Blue SuperBright 436 Alexa 430 | BFP | CellTrace Violet | DyeCycle Violet | LIVE/DEAD Fixable Violet Zombie Violet |
| | 405-2 | 515/30 | Horizon V500 | | | | LIVE/DEAD Aqua |
| | 405-3 | 586/15 | BV 570 | | | | LIVE/DEAD Fixable Yellow |
| | 405-4 | 610/20 | BV 605 SuperBright 600 | | | | |
| | 405-5 | 670/30 | BV 650 SuperBright 645 | | | | |
| | 405-6 | 710/40 | BV 711 SuperBright 702 | | | | |
| | 405-7 | 750/30 | BV 750 | | | | |
| | 405-8 | 820/60 | BV 805 | | | | |
| 488 nm (200mW) | 488-1 | 515/30 | FITC BB515 | GFP YFP | CFSE | DyeCycle Green | LIVE/DEAD Fixable Green Zombie Green |
| | 488-2 | 610/20 | PerCP BB605 | | | | |
| | 488-3 | 670/30 | BB660 PerCP | | | | |
| | 488-4 | 710/50 | PerCP-Cy5.5 PerCP-eFluor 710 BB700 | | | | |
| | 488-5 | 780/60 | BB786 | | | | |
| 561 nm (200mW) | 561-1 | 586/15 | PE Cy3 Alexa 546 | DsRed dTomato | CellTrace Yellow | DyeCycle Orange | LIVE/DEAD Fixable Red Zombie Red |
| | 561-2 | 610/20 | PE-Dazzle PE-CF594 PE-Texas Red | mCherry | | Propidium Iodide | Propidium Iodide |
| | 561-3 | 670/30 | PE-Cy5 7AAD | mPlum | | | |
| | 561-4 | 710/50 | PE-Cy5.5 | | | | |
| | 561-5 | 780/60 | PE-Cy7 PE-Fire780 | | | | |
| 628 nm (200mW) | 628-1 | 670/30 | APC Alexa 633 Alexa 635 Alexa 647 Cy5 | | CellTrace Far Red | DyeCycle Ruby | LIVE/DEAD Fixable Far Red |
| | 628-2 | 710/50 | Alexa 700 APC-R-700 | | | | Fixable Viability 700 |
| | 628-3 | 780/60 | APC-Cy7 APC-H7 APC-Fire750 APC-eFluor 780 | | | | LIVE/DEAD Fixable Near-IR Zombie NIR |