UM SCCC Flow Cytometry Shared Resource

LSR-FORTESSA-HTS Configuration (18 parameters)

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| Laser Excitation | Filter Emission | Fluorochromes |
| **Ultraviolet** **(355nm)** | 450/50 | DAPI, Hoechst, Indo-1 (Violet), Fixable Viability Dye eFluor 455UV |
| 530/30 | BUV496, Indo-1 (Blue) |
| Violet (405nm) | 450/50 | BV421, Pacific Blue, Alexa Fluor 405, Alexa Fluor 450, eFluor 450, V450, CFP, Live/Dead Fixable Violet, Fixable Viability Dye eFluor 450, Zombie Violet |
| 525/50 | BV510, AmCyan, Pacific Orange, V500, Zombie Aqua, Live/Dead Fixable Aqua, Fixable Viability Dye eFluor 506 |
| 610/20 | BV605, Qdot 605, eFluor 605, Live/Dead Fixable Yellow |
| 662/25 | BV650, Qdot 655, eFluor 650 |
| 710/50 | BV711, Qdot 705 |
| Blue (488nm) | 530/30 | FITC, Alexa Fluor 488, BB515, GFP, YFP, Zombie Green, Live/Dead Fixable Green, Fixable Viability Dye eFluor 520 |
| 670/30 | PerCP |
| 695/40 | PerCP-Cy5.5, PerCP-eFluor 710, BB700 |
| Yellow/Green (561nm) | 582/15 | PE, tdTomato, Cy3 |
| 610/20 | PE-Texas Red, PI, RFP, PE-Dazzle 594, PE-eFluor 610, mCherry, mStrawberry, Alexa Fluor 568, Live/Dead Fixable Red |
| 670/30 | PE-Cy5, 7AAD |
| 710/50 | PE-Cy5.5 |
| 780/60 | PE-Cy7 |
| Red (640nm) | 670/30 | APC, Alexa Fluor 647, eFluor 660, Cy5, Live/Dead Fixable Far Red, Fixable Viability Dye eFluor 660 |
| 730/45 | Alexa Fluor 700, APC-R700, Alexa Fluor 680 |
| 780/60 | APC-Cy7, APC-H7, APC-eFluor 780, APC-Alexa Fluor 750, Fixable Viability Dye eFluor 780 |

We may be able to accommodate other fluorochromes through filter changes, please see staff for details.