

**Cytek Aurora cell sorter configuration:**

| <b>Laser</b> | <b>Channel</b> | <b>Center Wavelength (nm)</b> | <b>Bandwidth (nm)</b> | <b>Start (nm)</b> | <b>End (nm)</b> |
|--------------|----------------|-------------------------------|-----------------------|-------------------|-----------------|
| UV 355nm     | UV1            | 372                           | 15                    | 365               | 380             |
|              | UV2            | 387                           | 15                    | 380               | 395             |
|              | UV3            | 427                           | 15                    | 420               | 435             |
|              | UV4            | 443                           | 15                    | 435               | 450             |
|              | UV5            | 458                           | 15                    | 450               | 465             |
|              | UV6            | 473                           | 15                    | 465               | 480             |
|              | UV7            | 514                           | 28                    | 500               | 528             |
|              | UV8            | 542                           | 28                    | 528               | 556             |
|              | UV9            | 581                           | 31                    | 566               | 597             |
|              | UV10           | 612                           | 31                    | 597               | 628             |
|              | UV11           | 664                           | 27                    | 650               | 677             |
|              | UV12           | 691                           | 28                    | 677               | 705             |
|              | UV13           | 720                           | 29                    | 705               | 734             |
|              | UV14           | 750                           | 30                    | 735               | 765             |
|              | UV15           | 780                           | 30                    | 765               | 795             |
|              | UV16           | 812                           | 34                    | 795               | 829             |
|              |                |                               |                       |                   |                 |
| Violet 405nm | V1             | 427.5                         | 15                    | 420               | 435             |
|              | V2             | 443                           | 15                    | 436               | 451             |
|              | V3             | 458                           | 15                    | 451               | 466             |
|              | V4             | 473                           | 15                    | 466               | 481             |
|              | V5             | 508                           | 20                    | 498               | 518             |
|              | V6             | 524.5                         | 17                    | 516               | 533             |
|              | V7             | 541.5                         | 17                    | 533               | 550             |
|              | V8             | 580.5                         | 19                    | 571               | 590             |
|              | V9             | 598                           | 20                    | 588               | 608             |
|              | V10            | 615                           | 20                    | 605               | 625             |
|              | V11            | 664                           | 27                    | 651               | 678             |
|              | V12            | 691.5                         | 28                    | 678               | 706             |
|              | V13            | 720                           | 29                    | 706               | 735             |
|              | V14            | 749.5                         | 30                    | 735               | 765             |
|              | V15            | 779.5                         | 30                    | 765               | 795             |
|              | V16            | 811.5                         | 34                    | 795               | 829             |
|              |                |                               |                       |                   |                 |
| Blue 488nm   | B1             | 508                           | 20                    | 498               | 518             |
|              | B2             | 524.5                         | 17                    | 516               | 533             |

|                       |      |       |    |     |     |
|-----------------------|------|-------|----|-----|-----|
|                       | B3   | 541.5 | 17 | 533 | 550 |
|                       | B4   | 580.5 | 19 | 571 | 590 |
|                       | B5   | 598   | 20 | 588 | 608 |
|                       | B6   | 615   | 20 | 605 | 625 |
|                       | B7   | 660   | 17 | 652 | 669 |
|                       | B8   | 678   | 18 | 669 | 687 |
|                       | B9   | 697   | 19 | 688 | 707 |
|                       | B10  | 717   | 20 | 707 | 727 |
|                       | B11  | 738   | 21 | 728 | 749 |
|                       | B12  | 760   | 23 | 749 | 772 |
|                       | B13  | 783   | 23 | 772 | 795 |
|                       | B14  | 811.5 | 34 | 795 | 829 |
|                       |      |       |    |     |     |
| Yellow/green<br>561nm | YG1  | 577   | 20 | 567 | 587 |
|                       | YG2  | 598   | 20 | 588 | 608 |
|                       | YG3  | 615   | 20 | 605 | 625 |
|                       | YG4  | 660   | 17 | 652 | 669 |
|                       | YG5  | 678   | 18 | 669 | 687 |
|                       | YG6  | 697   | 19 | 688 | 707 |
|                       | YG7  | 720   | 29 | 706 | 735 |
|                       | YG8  | 749.5 | 30 | 735 | 765 |
|                       | YG9  | 779.5 | 30 | 765 | 795 |
|                       | YG10 | 811.5 | 34 | 795 | 829 |
|                       |      |       |    |     |     |
| Red 640nm             | R1   | 660   | 17 | 652 | 669 |
|                       | R2   | 678   | 18 | 669 | 687 |
|                       | R3   | 697   | 19 | 688 | 707 |
|                       | R4   | 717   | 20 | 707 | 727 |
|                       | R5   | 738   | 21 | 728 | 749 |
|                       | R6   | 760   | 23 | 749 | 772 |
|                       | R7   | 783   | 23 | 772 | 795 |
|                       | R8   | 811.5 | 34 | 795 | 829 |