

## Daily QC Report

|   |   |
|---|---|
| <b>QC Status:</b> PASSED                      | <b>Date:</b> January 08, 2024 - 13:19 PM  |
| <b>Cytometer Name:</b> Aurora                 | <b>User:</b> Admin                        |
| <b>Serial Number:</b> S0144                   | <b>Nozzle Size:</b> 100 µm                |
| <b>Configuration:</b> 4-Laser-V16-B14-R8-YG10 | <b>Nozzle Serial Number:</b> K51168       |
| <b>Software:</b> SpectroFloCS 1.2.1           | <b>Sheath Pressure:</b> 15 PSI            |
| <b>QC Beads</b>                               |   |
| <b>Lot ID:</b> 2005                           | <b>Expiration Date:</b> December 31, 2026 |

| Laser       | Detector (nm) | Gain  | Gain Change | Median (x1000) | % rCV | Status |
|-------------|---------------|-------|-------------|----------------|-------|--------|
| Blue        | FSC           | 496   | 147         | 1,973.9        | 3.70  | ✓      |
| Violet      | SSC           | 522   | 186         | 2,003.3        | 6.00  | ✓      |
| Blue        | SSC-B         | 625   | 239         | 1,976.2        | 7.12  | ✓      |
| Violet      | V1 (428)      | 322   | 87          | 461.1          | 4.80  | ✓      |
| Violet      | V2 (443)      | 396   | 105         | 1,062.8        | 4.83  | ✓      |
| Violet      | V3 (458)      | 382   | 105         | 1,233.1        | 4.72  | ✓      |
| Violet      | V4 (473)      | 273   | 74          | 1,203.9        | 4.28  | ✓      |
| Violet      | V5 (508)      | 321   | 86          | 1,119.1        | 3.97  | ✓      |
| Violet      | V6 (525)      | 317   | 83          | 822.2          | 3.85  | ✓      |
| Violet      | V7 (542)      | 414   | 113         | 959.2          | 3.51  | ✓      |
| Violet      | V8 (581)      | 690   | 175         | 1,023.8        | 3.23  | ✓      |
| Violet      | V9 (598)      | 543   | 136         | 1,233.6        | 3.52  | ✓      |
| Violet      | V10 (615)     | 558   | 127         | 2,101.2        | 3.72  | ✓      |
| Violet      | V11 (664)     | 467   | 118         | 1,000.8        | 4.06  | ✓      |
| Violet      | V12 (692)     | 395   | 106         | 511.8          | 4.41  | ✓      |
| Violet      | V13 (720)     | 349   | 94          | 499.1          | 4.49  | ✓      |
| Violet      | V14 (750)     | 493   | 133         | 1,263.3        | 6.26  | ✓      |
| Violet      | V15 (780)     | 648   | 181         | 1,838.5        | 8.05  | ✓      |
| Violet      | V16 (812)     | 480   | 143         | 1,394.0        | 10.56 | ✓      |
| Blue        | B1 (508)      | 1,503 | 545         | 143.5          | 3.30  | ✓      |
| Blue        | B2 (525)      | 795   | 281         | 134.8          | 3.07  | ✓      |
| Blue        | B3 (542)      | 765   | 267         | 279.3          | 2.96  | ✓      |
| Blue        | B4 (581)      | 712   | 236         | 485.1          | 3.13  | ✓      |
| Blue        | B5 (598)      | 530   | 172         | 701.6          | 3.56  | ✓      |
| Blue        | B6 (615)      | 455   | 150         | 872.3          | 3.80  | ✓      |
| Blue        | B7 (661)      | 959   | 323         | 621.8          | 3.80  | ✓      |
| Blue        | B8 (679)      | 823   | 281         | 467.4          | 3.76  | ✓      |
| Blue        | B9 (697)      | 1,086 | 389         | 395.3          | 3.52  | ✓      |
| Blue        | B10 (717)     | 880   | 323         | 256.9          | 3.63  | ✓      |
| Blue        | B11 (738)     | 565   | 205         | 345.7          | 3.75  | ✓      |
| Blue        | B12 (760)     | 718   | 254         | 572.3          | 4.45  | ✓      |
| Blue        | B13 (783)     | 866   | 318         | 617.3          | 4.70  | ✓      |
| Blue        | B14 (812)     | 1,040 | 397         | 1,045.2        | 5.96  | ✓      |
| YellowGreen | YG1 (577)     | 887   | 313         | 600.9          | 4.52  | ✓      |
| YellowGreen | YG2 (598)     | 807   | 268         | 1,402.2        | 3.81  | ✓      |
| YellowGreen | YG3 (615)     | 618   | 205         | 2,189.3        | 3.64  | ✓      |
| YellowGreen | YG4 (661)     | 1,205 | 450         | 1,251.4        | 3.96  | ✓      |
| YellowGreen | YG5 (679)     | 968   | 349         | 896.9          | 4.03  | ✓      |
| YellowGreen | YG6 (697)     | 1,182 | 422         | 575.1          | 4.38  | ✓      |
| YellowGreen | YG7 (720)     | 692   | 251         | 697.4          | 4.34  | ✓      |
| YellowGreen | YG8 (750)     | 599   | 207         | 811.6          | 3.67  | ✓      |
| YellowGreen | YG9 (780)     | 793   | 280         | 1,073.9        | 4.38  | ✓      |
| YellowGreen | YG10 (812)    | 826   | 296         | 940.1          | 6.57  | ✓      |
| Red         | R1 (661)      | 494   | 110         | 378.9          | 4.18  | ✓      |
| Red         | R2 (679)      | 435   | 91          | 518.6          | 4.41  | ✓      |
| Red         | R3 (697)      | 578   | 125         | 408.8          | 4.64  | ✓      |
| Red         | R4 (717)      | 544   | 121         | 353.5          | 5.00  | ✓      |
| Red         | R5 (738)      | 377   | 84          | 653.7          | 6.08  | ✓      |
| Red         | R6 (760)      | 426   | 102         | 940.6          | 8.47  | ✓      |
| Red         | R7 (783)      | 569   | 145         | 1,293.2        | 9.80  | ✓      |
| Red         | R8 (812)      | 383   | 117         | 947.3          | 16.12 | ✓      |

### Laser Settings

| Laser       | Laser Delay | Area Scaling Factor |
|-------------|-------------|---------------------|
| Red         | -33.15      | 0.83                |
| Blue        | 0.00        | 0.92                |
| Violet      | 33.13       | 0.89                |
| YellowGreen | 64.40       | 0.83                |

FSC Area Scaling Factor: 0.93      Window Extension: 3

Temperature: 24.2 °C

### Specifications

|              |                |       |               |
|--------------|----------------|-------|---------------|
| FSC          | % rCV:         | < 6   | (Recommended) |
| SSC-B        | % rCV:         | < 8   | (Recommended) |
| R3           | % rCV:         | < 6   | (Recommended) |
| B3           | % rCV:         | < 6   | (Recommended) |
| V3           | % rCV:         | < 6   | (Recommended) |
| YG3          | % rCV:         | < 6   | (Recommended) |
| All Channels | % Gain Change: | < 100 | (Recommended) |