

## Daily QC Report

|   |   |
|---|---|
| <b>QC Status:</b> PASSED                      | <b>Date:</b> January 30, 2024 - 11:45 AM  |
| <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           | 453   | 104         | 1,919.9        | 2.24  | ✓      |
| Violet      | SSC           | 592   | 256         | 1,968.6        | 4.30  | ✓      |
| Blue        | SSC-B         | 599   | 213         | 1,973.3        | 4.36  | ✓      |
| Violet      | V1 (428)      | 366   | 131         | 457.4          | 3.16  | ✓      |
| Violet      | V2 (443)      | 445   | 154         | 1,055.7        | 3.17  | ✓      |
| Violet      | V3 (458)      | 436   | 159         | 1,221.0        | 3.16  | ✓      |
| Violet      | V4 (473)      | 308   | 109         | 1,175.2        | 2.97  | ✓      |
| Violet      | V5 (508)      | 366   | 131         | 1,115.6        | 2.85  | ✓      |
| Violet      | V6 (525)      | 361   | 127         | 817.6          | 2.81  | ✓      |
| Violet      | V7 (542)      | 465   | 164         | 938.5          | 2.72  | ✓      |
| Violet      | V8 (581)      | 785   | 270         | 1,002.4        | 3.03  | ✓      |
| Violet      | V9 (598)      | 604   | 197         | 1,241.3        | 3.26  | ✓      |
| Violet      | V10 (615)     | 619   | 188         | 2,128.9        | 3.50  | ✓      |
| Violet      | V11 (664)     | 533   | 184         | 988.0          | 3.40  | ✓      |
| Violet      | V12 (692)     | 444   | 155         | 493.4          | 3.58  | ✓      |
| Violet      | V13 (720)     | 395   | 140         | 493.9          | 3.92  | ✓      |
| Violet      | V14 (750)     | 550   | 190         | 1,253.4        | 4.38  | ✓      |
| Violet      | V15 (780)     | 713   | 246         | 1,837.8        | 5.35  | ✓      |
| Violet      | V16 (812)     | 521   | 184         | 1,399.0        | 6.66  | ✓      |
| Blue        | B1 (508)      | 1,420 | 462         | 140.4          | 3.48  | ✓      |
| Blue        | B2 (525)      | 748   | 234         | 131.7          | 3.19  | ✓      |
| Blue        | B3 (542)      | 729   | 231         | 271.3          | 2.82  | ✓      |
| Blue        | B4 (581)      | 672   | 196         | 479.7          | 2.40  | ✓      |
| Blue        | B5 (598)      | 499   | 141         | 697.6          | 2.03  | ✓      |
| Blue        | B6 (615)      | 434   | 129         | 876.3          | 2.10  | ✓      |
| Blue        | B7 (661)      | 930   | 294         | 619.7          | 2.01  | ✓      |
| Blue        | B8 (679)      | 799   | 257         | 454.3          | 1.94  | ✓      |
| Blue        | B9 (697)      | 1,024 | 327         | 380.4          | 1.97  | ✓      |
| Blue        | B10 (717)     | 843   | 286         | 251.0          | 1.92  | ✓      |
| Blue        | B11 (738)     | 535   | 175         | 341.1          | 1.93  | ✓      |
| Blue        | B12 (760)     | 696   | 232         | 584.2          | 2.06  | ✓      |
| Blue        | B13 (783)     | 821   | 273         | 619.4          | 2.15  | ✓      |
| Blue        | B14 (812)     | 964   | 321         | 1,026.5        | 2.85  | ✓      |
| YellowGreen | YG1 (577)     | 800   | 226         | 584.8          | 3.06  | ✓      |
| YellowGreen | YG2 (598)     | 724   | 185         | 1,388.0        | 2.71  | ✓      |
| YellowGreen | YG3 (615)     | 561   | 148         | 2,190.0        | 2.56  | ✓      |
| YellowGreen | YG4 (661)     | 1,073 | 318         | 1,210.3        | 2.67  | ✓      |
| YellowGreen | YG5 (679)     | 869   | 250         | 850.2          | 2.50  | ✓      |
| YellowGreen | YG6 (697)     | 1,080 | 320         | 561.2          | 2.81  | ✓      |
| YellowGreen | YG7 (720)     | 627   | 186         | 683.4          | 2.63  | ✓      |
| YellowGreen | YG8 (750)     | 544   | 152         | 814.8          | 2.24  | ✓      |
| YellowGreen | YG9 (780)     | 707   | 194         | 1,054.5        | 2.50  | ✓      |
| YellowGreen | YG10 (812)    | 734   | 204         | 928.7          | 3.59  | ✓      |
| Red         | R1 (661)      | 574   | 190         | 365.3          | 2.79  | ✓      |
| Red         | R2 (679)      | 488   | 144         | 507.4          | 2.76  | ✓      |
| Red         | R3 (697)      | 653   | 200         | 404.0          | 2.86  | ✓      |
| Red         | R4 (717)      | 606   | 183         | 343.1          | 3.26  | ✓      |
| Red         | R5 (738)      | 409   | 116         | 651.0          | 4.06  | ✓      |
| Red         | R6 (760)      | 457   | 133         | 952.2          | 5.56  | ✓      |
| Red         | R7 (783)      | 605   | 181         | 1,308.9        | 6.33  | ✓      |
| Red         | R8 (812)      | 396   | 130         | 956.8          | 11.49 | ✓      |

### Laser Settings

| Laser       | Laser Delay | Area Scaling Factor |
|-------------|-------------|---------------------|
| Red         | -32.80      | 0.82                |
| Blue        | 0.00        | 0.93                |
| Violet      | 33.00       | 0.86                |
| YellowGreen | 64.08       | 0.85                |

FSC Area Scaling Factor: 0.97      Window Extension: 3

Temperature: 25.8 °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) |