

### Daily QC Report

**QC Status:** **FAILED** **Date:** August 21, 2023 - 11:40 AM  
**Cytometer Name:** Aurora **User:** Admin  
**Serial Number:** S0144 **Nozzle Size:** 100 µm  
**Configuration:** 4-Laser-V16-B14-R8-YG10 **Sheath Pressure:** 15 PSI  
**Software:** SpectroFloCS 1.0.7.1

**QC Beads**  
**Lot ID:** 2005 **Expiration Date:** December 31, 2026

Laser	Detector (nm)	Gain	Gain Change	Median (x1000)	% rCV	Status
Blue	FSC	312	-37	2,051.3	2.64	✔
Violet	SSC	344	8	2,006.9	4.61	✔
Blue	SSC-B	363	-23	2,002.1	8.03	✘
Violet	V1 (428)	230	-5	464.5	2.74	✔
Violet	V2 (443)	285	-6	1,085.0	2.80	✔
Violet	V3 (458)	268	-9	1,225.9	2.82	✔
Violet	V4 (473)	193	-6	1,198.6	2.57	✔
Violet	V5 (508)	226	-9	1,121.0	2.38	✔
Violet	V6 (525)	226	-8	825.9	2.35	✔
Violet	V7 (542)	291	-10	950.4	2.11	✔
Violet	V8 (581)	491	-24	1,026.9	2.14	✔
Violet	V9 (598)	381	-26	1,230.7	2.33	✔
Violet	V10 (615)	405	-26	2,122.7	2.61	✔
Violet	V11 (664)	345	-4	1,007.3	2.61	✔
Violet	V12 (692)	291	2	505.0	2.79	✔
Violet	V13 (720)	257	2	497.7	2.74	✔
Violet	V14 (750)	362	2	1,246.5	3.18	✔
Violet	V15 (780)	472	5	1,830.7	4.41	✔
Violet	V16 (812)	343	6	1,374.9	6.17	✔
Blue	B1 (508)	923	-35	142.9	2.06	✔
Blue	B2 (525)	494	-20	134.2	1.81	✔
Blue	B3 (542)	485	-13	279.7	1.66	✔
Blue	B4 (581)	448	-28	488.6	1.59	✔
Blue	B5 (598)	328	-30	701.3	1.85	✔
Blue	B6 (615)	280	-25	874.8	2.25	✔
Blue	B7 (661)	607	-29	623.6	2.12	✔
Blue	B8 (679)	519	-23	462.8	2.12	✔
Blue	B9 (697)	686	-11	400.7	1.91	✔
Blue	B10 (717)	549	-8	252.5	1.92	✔
Blue	B11 (738)	358	-2	342.8	2.73	✔
Blue	B12 (760)	469	5	584.8	3.04	✔
Blue	B13 (783)	555	7	619.4	3.42	✔
Blue	B14 (812)	654	11	1,003.5	4.79	✔
YellowGreen	YG1 (577)	555	-19	589.8	3.81	✔
YellowGreen	YG2 (598)	507	-32	1,408.6	3.30	✔
YellowGreen	YG3 (615)	393	-20	2,188.0	2.93	✔
YellowGreen	YG4 (661)	762	7	1,255.8	3.02	✔
YellowGreen	YG5 (679)	617	-2	877.4	2.80	✔
YellowGreen	YG6 (697)	775	15	578.1	3.00	✔
YellowGreen	YG7 (720)	448	7	696.0	2.61	✔
YellowGreen	YG8 (750)	396	4	816.9	2.15	✔
YellowGreen	YG9 (780)	522	9	1,065.9	2.93	✔
YellowGreen	YG10 (812)	540	10	918.0	4.53	✔
Red	R1 (661)	430	46	390.8	2.85	✔
Red	R2 (679)	361	17	526.1	2.93	✔
Red	R3 (697)	492	39	423.3	2.94	✔
Red	R4 (717)	451	28	358.0	2.99	✔
Red	R5 (738)	300	7	657.1	3.15	✔
Red	R6 (760)	331	7	932.6	4.29	✔
Red	R7 (783)	439	15	1,291.5	5.01	✔
Red	R8 (812)	284	18	930.6	9.73	✔

#### Laser Settings

Laser	Laser Delay	Area Scaling Factor
Red	-33.28	0.85
Blue	0.00	0.95
Violet	33.13	0.92
YellowGreen	64.10	0.86

FSC Area Scaling Factor: 0.99 Window Extension: 3

Temperature: 23.5 °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)