

Cytometer Performance Report

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|--------------------------|----------------------------|---------------------|---------------------|
| Cytometer: | FACSAriaII | User: | Administrator |
| Cytometer Name: | FACSAriaII | Institution: | N/A |
| Serial Number: | 1 | Software: | BD FACSDiva 8.0.1 |
| Input Device: | Manual | Date: | 07/18/2016 11:09 AM |
| Cytometer Configuration: | 100 microns 25PSI standard | Cytometer Baseline: | 07/05/2016 09:47 AM |
| | | P/F: | Pass |

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 77840 **Expiration Date:** 04/30/2017
Bead Lot Information: Available

Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|------------------|----------|-----------------|--------------|---------------------|---------------------------|-------------------------|-------------------------|----------------------|
| Blue | FSC | FSC | 125000 | 125328 | 0 | 1.97 | 125399 | 2.00 |
| Blue | C | SSC | 125000 | 123070 | -2 | 3.61 | 124229 | 3.63 |
| Blue | B | Alexa Fluor 488 | 24248 | 23954 | -2 | 3.36 | 562 | 16.80 |
| Blue | A | PerCP | 33887 | 33791 | -1 | 5.98 | 919 | 22.50 |
| Red | C | Alexa Fluor 647 | 25051 | 24693 | -2 | 5.18 | 674 | 21.57 |
| Red | B | APC-Alexa 700 | 81413 | 78442 | -4 | 9.35 | 2231 | 10.11 |
| Red | A | APC-Cy7 | 71355 | 69827 | -3 | 11.33 | 1809 | 17.25 |
| 561 Yellow-Green | E | DsRed | 88389 | 88372 | -1 | 2.29 | 2365 | 8.49 |
| 561 Yellow-Green | D | PE-Texas Red | 74661 | 74698 | 0 | 2.84 | 1786 | 13.95 |
| 561 Yellow-Green | C | 7-AAD | 84478 | 83462 | -2 | 3.69 | 2441 | 14.23 |
| 561 Yellow-Green | B | PE-Cy5-5 | 76749 | 74759 | -3 | 7.18 | 2200 | 11.99 |
| 561 Yellow-Green | A | PE-Cy7 | 18983 | 18049 | -5 | 10.68 | 435 | 15.84 |

Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|------------------|----------|-----------------|-------------------------|----------------------|------|--------|---------|------|------|
| Blue | FSC | FSC | 16359 | 3.18 | 335 | 0 | N/A | N/A | Pass |
| Blue | C | SSC | 62498 | 3.64 | 365 | 6 | N/A | N/A | Pass |
| Blue | B | Alexa Fluor 488 | 92 | 51.19 | 583 | -1 | 0.0246 | 0 | Pass |
| Blue | A | PerCP | 140 | 62.55 | 633 | -1 | 0.0042 | 232 | Pass |
| Red | C | Alexa Fluor 647 | 126 | 51.41 | 598 | -5 | 0.0075 | 85 | Pass |
| Red | B | APC-Alexa 700 | 475 | 20.72 | 621 | -1 | -0.0324 | 0 | Pass |
| Red | A | APC-Cy7 | 387 | 37.55 | 678 | 1 | 0.0042 | 3119 | Pass |
| 561 Yellow-Green | E | DsRed | 528 | 18.60 | 655 | -6 | 0.3867 | 0 | Pass |
| 561 Yellow-Green | D | PE-Texas Red | 353 | 34.37 | 641 | -4 | 0.0296 | 63 | Pass |
| 561 Yellow-Green | C | 7-AAD | 449 | 35.19 | 731 | -6 | 0.0320 | 50 | Pass |

Cytometer Performance Report

Cytometer: FACSriaII
Cytometer Name: FACSriaII
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 07/18/2016 11:09 AM
Cytometer Baseline: 07/05/2016 09:47 AM
P/F: Pass

| | | | | | | | | | |
|------------------|---|----------|-----|-------|-----|----|--------|-----|------|
| 561 Yellow-Green | B | PE-Cy5-5 | 427 | 29.86 | 657 | -6 | 0.0415 | 793 | Pass |
| 561 Yellow-Green | A | PE-Cy7 | 92 | 33.12 | 477 | -4 | 0.0412 | 287 | Pass |

Specifications

PMTV Delta from baseline: 50 (BD)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
561 Yellow-Green Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Laser Settings

| Laser | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|------------------|------------------------|---------------------------------|---------------------|
| Red | -73.16 | -72.16 | 1.02 |
| 561 Yellow-Green | -38.23 | -37.29 | 0.99 |
| Blue | 0.00 | 0.00 | 1.10 |

Window Extension: 2.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 11609

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.82
Nozzle Size: 100

Comments