

QC Report

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|-------------------------|-----------------------|---------------|------------------|
| Bead Lot No.: | 44586 | QC Date: | 2016-07-18 07:34 |
| Bead Expires: | 2016-05-31 | Cytometer SN: | AR50052 |
| Cytometer Name: | CytoFLEX | | |
| Detector Configuration: | Default-Configuration | | |
| Loader Type: | Semi Automatic | | |

Threshold

Channel: FSC(Height) Mode: Manual Value: 50000

Laser

| Laser | Delay(μs) | Default Delay(μs) | Difference Delay(μs) | Power(mW) | Target Power(mW) | Result |
|--------------|-----------|-------------------|----------------------|-----------|------------------|--------|
| Blue laser | 0.00 | 0.00 | 0.00 | 44 | 40-60 | ✓ |
| Red laser | -36.48 | -36.32 | -0.16 | 54 | 40-60 | ✓ |
| Violet laser | 41.44 | 40.64 | 0.80 | 70 | 70-120 | ✓ |

Signal Value

| Parameter | Gain | Target Gain | %Difference Target Gain | Median | Target Median | %Difference Target Median | rCV(%) | Target rCV(%) | Width | Result |
|-----------|------|-------------|-------------------------|---------|---------------|---------------------------|---------|---------------|--------|--------|
| FSC | 3000 | 60 | 4900.00 | 86148.4 | 266685.5 | -67.70 | - | - | 1827.2 | ✗ |
| SSC | 3000 | 113 | 2554.87 | 313.4 | 733731.3 | -99.96 | - | - | 169.9 | ✗ |
| FITC | 3000 | 146 | 1954.80 | -147.9 | 3680135.0 | -100.00 | 429.34 | 5.00 | -246.3 | ✗ |
| PE | 3000 | 92 | 3160.87 | 896.4 | 1287685.0 | -99.93 | 232.80 | 5.00 | 333.7 | ✗ |
| ECD | 3000 | 130 | 2207.69 | 89.8 | 698060.5 | -99.99 | 900.79 | 5.00 | 125.4 | ✗ |
| PC5.5 | 3000 | 258 | 1062.79 | 207.7 | 1608234.0 | -99.99 | 369.44 | 5.00 | 179.4 | ✗ |
| PC7 | 3000 | 371 | 708.63 | 65.3 | 271742.9 | -99.98 | 875.36 | 5.00 | 85.7 | ✗ |
| APC | 3000 | 515 | 482.52 | -237.5 | 487277.1 | -100.05 | 297.83 | 5.00 | -243.2 | ✗ |
| APC-A700 | 3000 | 522 | 474.71 | -153.1 | 1912410.0 | -100.01 | 514.82 | 5.00 | -200.9 | ✗ |
| APC-A750 | 3000 | 522 | 474.71 | -148.6 | 674046.5 | -100.02 | 1006.04 | 5.00 | -89.0 | ✗ |
| PB450 | 3000 | 52 | 5669.23 | 344.1 | 742276.9 | -99.95 | 532.42 | 5.00 | 112.6 | ✗ |
| KO525 | 3000 | 34 | 8723.53 | -77.1 | 146362.2 | -100.05 | 881.48 | 5.00 | -109.8 | ✗ |
| Violet610 | 3000 | 199 | 1407.54 | 84.7 | 93808.6 | -99.91 | 646.11 | 5.00 | 127.6 | ✗ |
| Violet660 | 3000 | 219 | 1269.86 | 46.2 | 42751.1 | -99.89 | 2037.77 | 5.00 | 44.2 | ✗ |
| Violet780 | 3000 | 204 | 1370.59 | -113.1 | 62887.6 | -100.18 | 462.88 | 5.00 | -178.0 | ✗ |

Specifications

Delay: $-5.00\mu s \leq \text{Difference Delay} \leq 5.00\mu s$.

Gain: $-20.00\% \leq \% \text{Difference Target Gain} \leq 20.00\%$.

Median: $-5.00\% \leq \% \text{Difference Target Median} \leq 5.00\%$.

rCV: $rCV(\%) \leq \text{Target } rCV(\%)$.

Result

QC Failed.

Comment

Warning: The QC beads (Expires: 2016-05-31) has expired.

FSC gain calibration was failed, median value is out of the target value range.

SSC gain calibration was failed, median value is out of the target value range.

FITC gain calibration was failed, median value is out of the target value range.

PE gain calibration was failed, median value is out of the target value range.

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| Cytometer Name: | CytoFLEX | | |
| Detector Configuration: | Default-Configuration | | |
| Loader Type: | Semi Automatic | | |

ECD gain calibration was failed, median value is out of the target value range.
PC5.5 gain calibration was failed, median value is out of the target value range.
PC7 gain calibration was failed, median value is out of the target value range.
APC gain calibration was failed, median value is out of the target value range.
APC-A700 gain calibration was failed, median value is out of the target value range.
APC-A750 gain calibration was failed, median value is out of the target value range.
PB450 gain calibration was failed, median value is out of the target value range.
KO525 gain calibration was failed, median value is out of the target value range.
Violet610 gain calibration was failed, median value is out of the target value range.
Violet660 gain calibration was failed, median value is out of the target value range.
Violet780 gain calibration was failed, median value is out of the target value range.