

QC Report

| | | | |
|-------------------------|-----------------------|---------------|------------------|
| Bead Lot No.: | 44586 | QC Date: | 2016-07-21 12:00 |
| Bead Expires: | 2016-05-31 | Cytometer SN: | AR50052 |
| Cytometer Name: | CytoFLEX | | |
| Detector Configuration: | Default-Configuration | | |
| Loader Type: | Plate Loader | | |

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 | 43 | 40-60 | ✓ |
| Red laser | -36.96 | -36.96 | 0.00 | 54 | 40-60 | ✓ |
| Violet laser | 41.44 | 41.28 | 0.16 | 71 | 70-120 | ✓ |

Signal Value

| Parameter | Gain | Target Gain | %Difference Target Gain | Median | Target Median | %Difference Target Median | rCV(%) | Target rCV(%) | Width | Result |
|-----------|------|-------------|-------------------------|-----------|---------------|---------------------------|--------|---------------|--------|--------|
| FSC | 84 | 59 | 42.37 | 269335.5 | 266685.5 | 0.99 | - | - | 1114.5 | ✗ |
| SSC | 130 | 113 | 15.04 | 720553.9 | 733731.3 | -1.80 | - | - | 1248.2 | ✓ |
| FITC | 217 | 146 | 48.63 | 3672768.0 | 3680135.0 | -0.20 | 17.76 | 5.00 | 1268.0 | ✗ |
| PE | 137 | 96 | 42.71 | 1293491.0 | 1287685.0 | 0.45 | 17.10 | 5.00 | 1266.3 | ✗ |
| ECD | 194 | 136 | 42.65 | 695937.5 | 698060.5 | -0.30 | 17.40 | 5.00 | 1282.3 | ✗ |
| PC5.5 | 380 | 272 | 39.71 | 1609231.0 | 1608234.0 | 0.06 | 15.89 | 5.00 | 1271.3 | ✗ |
| PC7 | 567 | 391 | 45.01 | 270607.6 | 271742.9 | -0.42 | 18.12 | 5.00 | 1272.9 | ✗ |
| APC | 616 | 515 | 19.61 | 485476.5 | 487277.1 | -0.37 | 10.54 | 5.00 | 1290.4 | ✗ |
| APC-A700 | 606 | 522 | 16.09 | 1910850.0 | 1912410.0 | -0.08 | 8.65 | 5.00 | 1279.6 | ✗ |
| APC-A750 | 618 | 522 | 18.39 | 676778.5 | 674046.5 | 0.41 | 9.70 | 5.00 | 1285.6 | ✗ |
| PB450 | 68 | 52 | 30.77 | 737946.3 | 742276.9 | -0.58 | 10.98 | 5.00 | 1836.6 | ✗ |
| KO525 | 43 | 34 | 26.47 | 145200.7 | 146362.2 | -0.79 | 10.57 | 5.00 | 1854.2 | ✗ |
| Violet610 | 254 | 199 | 27.64 | 93267.0 | 93808.6 | -0.58 | 10.43 | 5.00 | 1848.7 | ✗ |
| Violet660 | 277 | 219 | 26.48 | 42820.2 | 42751.1 | 0.16 | 10.49 | 5.00 | 1854.9 | ✗ |
| Violet780 | 259 | 204 | 26.96 | 62919.7 | 62887.6 | 0.05 | 10.31 | 5.00 | 1860.4 | ✗ |

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.

The difference between FSC gain and target is more than 20%.

The difference between FITC gain and target is more than 20%.

The difference between PE gain and target is more than 20%.

The difference between ECD gain and target is more than 20%.

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| Cytometer Name: | CytoFLEX | | |
| Detector Configuration: | Default-Configuration | | |
| Loader Type: | Plate Loader | | |

The difference between PC5.5 gain and target is more than 20%.
The difference between PC7 gain and target is more than 20%.
The difference between PB450 gain and target is more than 20%.
The difference between KO525 gain and target is more than 20%.
The difference between Violet610 gain and target is more than 20%.
The difference between Violet660 gain and target is more than 20%.
The difference between Violet780 gain and target is more than 20%.