

QC Report

| | | | |
|-------------------------|-----------------------|---------------|------------------|
| Bead Lot No.: | 44586 | QC Date: | 2016-07-05 09:32 |
| 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 | -38.40 | -37.92 | -0.48 | 54 | 40-60 | ✓ |
| Violet laser | 39.36 | 38.88 | 0.48 | 70 | 70-120 | ✓ |

Signal Value

| Parameter | Gain | Target Gain | %Difference Target Gain | Median | Target Median | %Difference Target Median | rCV(%) | Target rCV(%) | Width | Result |
|-----------|------|-------------|-------------------------|-----------|---------------|---------------------------|--------|---------------|--------|--------|
| FSC | 63 | 63 | 0.00 | 272677.4 | 266685.5 | 2.25 | - | - | 1150.6 | ✓ |
| SSC | 118 | 125 | -5.60 | 737368.8 | 733731.3 | 0.50 | - | - | 1276.0 | ✓ |
| FITC | 153 | 146 | 4.79 | 3679333.0 | 3680135.0 | -0.02 | 4.48 | 5.00 | 1316.9 | ✓ |
| PE | 97 | 92 | 5.43 | 1288683.0 | 1287685.0 | 0.08 | 4.39 | 5.00 | 1318.3 | ✓ |
| ECD | 138 | 131 | 5.34 | 702481.3 | 698060.5 | 0.63 | 4.18 | 5.00 | 1327.9 | ✓ |
| PC5.5 | 274 | 262 | 4.58 | 1608980.0 | 1608234.0 | 0.05 | 4.65 | 5.00 | 1321.4 | ✓ |
| PC7 | 391 | 391 | 0.00 | 268974.6 | 271742.9 | -1.02 | 5.02 | 5.00 | 1325.0 | ✗ |
| APC | 515 | 515 | 0.00 | 475531.1 | 487277.1 | -2.41 | 2.62 | 5.00 | 1324.2 | ✓ |
| APC-A700 | 522 | 522 | 0.00 | 1877131.0 | 1912410.0 | -1.84 | 2.41 | 5.00 | 1309.6 | ✓ |
| APC-A750 | 518 | 518 | 0.00 | 656315.9 | 674046.5 | -2.63 | 2.81 | 5.00 | 1319.8 | ✓ |
| PB450 | 61 | 59 | 3.39 | 735374.6 | 742276.9 | -0.93 | 1.83 | 5.00 | 1814.9 | ✓ |
| KO525 | 38 | 38 | 0.00 | 140856.2 | 146362.2 | -3.76 | 1.75 | 5.00 | 1828.4 | ✓ |
| Violet610 | 230 | 219 | 5.02 | 93547.1 | 93808.6 | -0.28 | 2.05 | 5.00 | 1819.1 | ✓ |
| Violet660 | 242 | 242 | 0.00 | 40978.8 | 42751.1 | -4.15 | 2.45 | 5.00 | 1828.6 | ✓ |
| Violet780 | 236 | 226 | 4.42 | 62829.7 | 62887.6 | -0.09 | 2.07 | 5.00 | 1817.6 | ✓ |

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.