

# QC Report

Bead Lot No.:	44586	QC Date:	2016-06-23 17:38
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	44	40-60	✓
Red laser	-38.72	-39.36	0.64	60	40-60	✓
Violet laser	39.52	38.88	0.64	71	70-120	✓

## Signal Value

Parameter	Gain	Target Gain	%Difference Target Gain	Median	Target Median	%Difference Target Median	rCV(%)	Target rCV(%)	Width	Result
FSC	60	60	0.00	280792.1	266685.5	5.29	-	-	1196.6	✗
SSC	117	126	-7.14	732049.6	733731.3	-0.23	-	-	1369.4	✓
FITC	140	146	-4.11	3655527.0	3680135.0	-0.67	2.34	5.00	1357.5	✓
PE	92	92	0.00	1324147.0	1287685.0	2.83	2.35	5.00	1360.2	✓
ECD	131	131	0.00	719630.0	698060.5	3.09	2.27	5.00	1369.6	✓
PC5.5	262	262	0.00	1663385.0	1608234.0	3.43	2.50	5.00	1360.4	✓
PC7	375	375	0.00	280101.3	271742.9	3.08	2.83	5.00	1357.7	✓
APC	515	515	0.00	484447.4	487277.1	-0.58	2.48	5.00	1346.2	✓
APC-A700	522	522	0.00	1902064.0	1912410.0	-0.54	2.51	5.00	1332.4	✓
APC-A750	518	518	0.00	668450.8	674046.5	-0.83	2.68	5.00	1341.0	✓
PB450	53	53	0.00	763843.1	742276.9	2.91	1.65	5.00	1915.1	✓
KO525	34	34	0.00	149549.9	146362.2	2.18	2.14	5.00	1922.1	✓
Violet610	198	198	0.00	96541.6	93808.6	2.91	2.35	5.00	1917.0	✓
Violet660	218	218	0.00	43678.5	42751.1	2.17	2.91	5.00	1920.2	✓
Violet780	205	205	0.00	64123.7	62887.6	1.97	2.61	5.00	1914.3	✓

## 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.