

# QC Report

Bead Lot No.:	44586	QC Date:	2016-07-08 11:53
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	-39.04	-39.68	0.64	57	40-60	✓
Violet laser	39.84	40.32	-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	72	58	24.14	248313.8	266685.5	-6.89	-	-	1170.9	✗
SSC	1459	128	1039.84	6143127.0	733731.3	737.24	-	-	1370.9	✗
FITC	160	147	8.84	3479079.0	3680135.0	-5.46	9.85	5.00	1362.1	✗
PE	103	93	10.75	1218209.0	1287685.0	-5.40	9.88	5.00	1363.5	✗
ECD	147	132	11.36	665749.4	698060.5	-4.63	9.86	5.00	1374.9	✗
PC5.5	294	263	11.79	1526652.0	1608234.0	-5.07	10.76	5.00	1361.7	✗
PC7	420	372	12.90	257149.5	271742.9	-5.37	10.25	5.00	1359.1	✗
APC	515	515	0.00	475858.7	487277.1	-2.34	1.62	5.00	1373.2	✓
APC-A700	522	522	0.00	1875970.0	1912410.0	-1.91	2.30	5.00	1365.6	✓
APC-A750	518	518	0.00	662452.3	674046.5	-1.72	1.90	5.00	1379.7	✓
PB450	50	50	0.00	726255.0	742276.9	-2.16	0.89	5.00	2019.6	✓
KO525	32	32	0.00	143065.3	146362.2	-2.25	0.95	5.00	2019.5	✓
Violet610	191	191	0.00	92454.3	93808.6	-1.44	1.54	5.00	2013.1	✓
Violet660	211	211	0.00	42498.3	42751.1	-0.59	2.91	5.00	2048.1	✓
Violet780	195	195	0.00	62660.0	62887.6	-0.36	1.57	5.00	2003.1	✓

## 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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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.