

# QC Report

Bead Lot No.:	44586	QC Date:	2016-07-21 11:58
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	-36.96	-36.64	-0.32	54	40-60	✓
Violet laser	41.28	41.12	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	82	59	38.98	263016.9	266685.5	-1.38	-	-	1126.3	✗
SSC	138	113	22.12	712537.6	733731.3	-2.89	-	-	1242.4	✗
FITC	236	146	61.64	3653717.0	3680135.0	-0.72	20.31	5.00	1263.8	✗
PE	148	96	54.17	1281107.0	1287685.0	-0.51	19.75	5.00	1263.7	✗
ECD	210	136	54.41	693531.0	698060.5	-0.65	19.69	5.00	1274.2	✗
PC5.5	406	272	49.26	1582849.0	1608234.0	-1.58	18.21	5.00	1264.7	✗
PC7	614	391	57.03	267260.0	271742.9	-1.65	20.83	5.00	1267.7	✗
APC	651	515	26.41	485869.9	487277.1	-0.29	12.88	5.00	1279.3	✗
APC-A700	635	522	21.65	1900485.0	1912410.0	-0.62	11.39	5.00	1268.3	✗
APC-A750	650	522	24.52	674643.3	674046.5	0.09	12.74	5.00	1275.5	✗
PB450	71	52	36.54	736139.9	742276.9	-0.83	12.42	5.00	1814.8	✗
KO525	45	34	32.35	144884.5	146362.2	-1.01	11.74	5.00	1831.6	✗
Violet610	265	199	33.17	93086.7	93808.6	-0.77	11.38	5.00	1829.3	✗
Violet660	289	219	31.96	42690.4	42751.1	-0.14	11.46	5.00	1834.1	✗
Violet780	271	204	32.84	62908.9	62887.6	0.03	11.05	5.00	1836.1	✗

## 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.

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

The difference between SSC 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%.

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The difference between ECD gain and target is more than 20%.  
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 APC gain and target is more than 20%.  
The difference between APC-A700 gain and target is more than 20%.  
The difference between APC-A750 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%.