

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 04/24/2017 09:05 AM
Cytometer Baseline: 01/04/2017 03:58 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123657	-2	3.72	123771	3.77
Blue	F	SSC	125000	122934	-2	4.49	123927	4.39
Blue	E	FITC	20501	19473	-6	3.21	475	24.26
Blue	D	PE	34373	33457	-3	2.19	665	17.97
Blue	B	PE-Cy5	59337	58128	-3	4.95	1150	31.40
Blue	A	PE-Cy7	48989	48441	-2	6.95	625	53.63
Red	C	APC	60194	60676	0	3.34	1449	18.75
Red	A	APC-Cy7	52685	52112	-2	4.27	808	20.31
Violet	B	DAPI	11362	10912	-4	2.71	769	13.27
Violet	A	AmCyan	47125	45822	-3	2.76	1434	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15584	17.66	587	-3	N/A	N/A	Pass
Blue	F	SSC	61246	3.90	424	3	N/A	N/A	Pass
Blue	E	FITC	86	98.84	473	-1	0.0179	1249	Pass
Blue	D	PE	167	57.51	515	1	0.1577	484	Pass
Blue	B	PE-Cy5	236	82.27	681	2	0.0047	292	Pass
Blue	A	PE-Cy7	116	151.92	727	3	0.0075	63	Pass
Red	C	APC	408	35.44	726	5	0.0130	42	Pass
Red	A	APC-Cy7	193	47.30	572	2	0.0024	1195	Pass
Violet	B	DAPI	103	70.68	460	1	0.0349	2640	Pass
Violet	A	AmCyan	178	58.10	517	3	0.0204	5839	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.80	47.71 - 71.57	N/A	N/A	-29.82	-29.45	1.21
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.44
Red	16.44	12.75 - 19.13	N/A	N/A	30.25	30.75	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10101

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60
Sample Pressure: 4.30

Comments