

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: 04/18/2017 09:09 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	123613	-2	3.56	124034	3.56
Blue	F	SSC	125000	125007	0	4.68	126059	4.83
Blue	E	FITC	20501	19555	-5	3.15	481	22.19
Blue	D	PE	34373	33821	-2	2.21	672	17.50
Blue	B	PE-Cy5	59337	58286	-2	5.11	1149	29.58
Blue	A	PE-Cy7	48989	48721	-1	7.42	629	52.54
Red	C	APC	60194	60363	0	3.21	1437	18.24
Red	A	APC-Cy7	52685	51881	-2	4.23	807	19.84
Violet	B	DAPI	11362	10861	-5	3.43	800	12.28
Violet	A	AmCyan	47125	45710	-4	3.33	1421	10.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14135	16.86	586	-4	N/A	N/A	Pass
Blue	F	SSC	62845	4.19	424	3	N/A	N/A	Pass
Blue	E	FITC	85	82.93	471	-3	0.0170	615	Pass
Blue	D	PE	168	53.22	514	0	0.1400	333	Pass
Blue	B	PE-Cy5	243	74.57	678	-1	0.0053	255	Pass
Blue	A	PE-Cy7	124	143.09	724	0	0.0078	64	Pass
Red	C	APC	409	35.24	724	3	0.0142	106	Pass
Red	A	APC-Cy7	194	46.11	569	-1	0.0025	1204	Pass
Violet	B	DAPI	108	70.84	462	3	0.0596	5425	Pass
Violet	A	AmCyan	180	53.37	520	6	0.0197	4641	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	59.82	47.71 - 71.57	N/A	N/A	-29.86	-29.39	1.21
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.44
Red	16.86	12.75 - 19.13	N/A	N/A	30.18	30.68	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9614

Fluidics

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

Comments