

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: 07/31/2017 09:23 AM
Cytometer Baseline: 06/19/2017 09:29 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	125144	0	2.48	125353	2.48
Blue	F	SSC	125000	126640	1	2.18	127842	2.14
Blue	E	FITC	17685	17187	-3	3.31	468	16.42
Blue	D	PE	28926	27761	-5	3.13	748	12.00
Blue	B	PE-Cy5	65854	64716	-2	4.85	1507	18.30
Blue	A	PE-Cy7	61678	60765	-2	6.23	828	28.93
Red	C	APC	76597	75757	-2	2.95	2401	12.57
Red	A	APC-Cy7	81407	81105	-1	2.47	1497	11.96
Violet	B	DAPI	11628	11238	-4	3.20	790	11.74
Violet	A	AmCyan	47630	46505	-3	2.98	1353	10.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18481	6.50	557	-11	N/A	N/A	Pass
Blue	F	SSC	58239	1.97	393	-5	N/A	N/A	Pass
Blue	E	FITC	69	67.95	443	-8	0.0288	318	Pass
Blue	D	PE	126	48.86	477	-9	0.2411	327	Pass
Blue	B	PE-Cy5	229	49.42	618	-10	0.0093	80	Pass
Blue	A	PE-Cy7	131	76.57	642	-9	0.0166	13	Pass
Red	C	APC	496	28.36	688	1	0.0193	140	Pass
Red	A	APC-Cy7	257	32.77	536	2	0.0040	1304	Pass
Violet	B	DAPI	98	73.17	448	1	0.0721	4851	Pass
Violet	A	AmCyan	162	61.87	501	2	0.0249	6293	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	-29.98	-29.71	1.28
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.44
Red	16.94	14.79 - 22.19	N/A	N/A	28.65	28.95	1.36

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11482

Fluidics

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

Comments