

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: 08/28/2017 09:16 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	123654	-2	3.46	123795	3.44
Blue	F	SSC	125000	124642	-1	2.52	125888	2.55
Blue	E	FITC	17685	17014	-4	3.76	468	16.52
Blue	D	PE	28926	27186	-7	3.58	734	11.99
Blue	B	PE-Cy5	65854	63509	-4	5.55	1475	18.79
Blue	A	PE-Cy7	61678	60130	-3	6.97	805	29.33
Red	C	APC	76597	75846	-1	3.02	2418	12.83
Red	A	APC-Cy7	81407	81935	0	2.54	1463	12.66
Violet	B	DAPI	11628	11214	-4	2.72	780	11.35
Violet	A	AmCyan	47630	47172	-1	2.36	1378	8.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19220	7.97	557	-11	N/A	N/A	Pass
Blue	F	SSC	56971	2.45	392	-6	N/A	N/A	Pass
Blue	E	FITC	69	64.86	444	-7	0.0271	212	Pass
Blue	D	PE	124	49.99	478	-8	0.2702	403	Pass
Blue	B	PE-Cy5	223	51.02	618	-10	0.0091	95	Pass
Blue	A	PE-Cy7	127	79.18	641	-10	0.0168	21	Pass
Red	C	APC	497	28.76	689	2	0.0182	114	Pass
Red	A	APC-Cy7	252	33.48	537	3	0.0036	825	Pass
Violet	B	DAPI	96	66.33	444	-3	0.0577	2829	Pass
Violet	A	AmCyan	166	41.87	498	-1	0.0310	2918	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	-29.66	-29.43	1.27
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.45
Red	19.36	14.79 - 22.19	N/A	N/A	28.41	28.65	1.36

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9620

Fluidics

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

Comments