

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: User
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 02/22/2015 09:49 PM
Cytometer Baseline: 02/01/2015 10:20 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 95893, **Expiration Date:** 07/31/2014 (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	124505	-1	2.40	124290	2.23
Blue	F	SSC	125000	121749	-3	2.81	120772	2.12
Blue	E	FITC	34392	33384	-3	2.04	1360	9.58
Blue	D	PE	41701	41051	-2	1.57	1368	8.87
Blue	B	PE-Cy5	54030	53087	-2	3.94	1982	17.27
Blue	A	PE-Cy7	41605	40135	-4	7.70	1033	28.41
Red	C	APC	59536	58796	-2	4.23	3532	10.52
Red	A	APC-Cy7	48911	47458	-3	6.11	1626	12.60
Violet	B	DAPI	28673	27887	-3	2.54	1291	7.44
Violet	A	AmCyan	114812	114865	0	2.42	4996	5.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17014	9.03	581	12	N/A	N/A	Pass
Blue	F	SSC	60796	1.61	403	8	N/A	N/A	Pass
Blue	E	FITC	168	36.74	453	-1	0.0269	309	Pass
Blue	D	PE	309	26.37	490	4	0.2230	321	Pass
Blue	B	PE-Cy5	309	44.91	618	3	0.0085	50	Pass
Blue	A	PE-Cy7	111	92.91	653	2	0.0167	24	Pass
Red	C	APC	330	33.33	680	3	0.0200	67	Pass
Red	A	APC-Cy7	162	42.03	527	-4	0.0048	1552	Pass
Violet	B	DAPI	152	42.03	449	-10	0.0745	3826	Pass
Violet	A	AmCyan	368	32.36	526	1	0.0159	4773	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 Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.66	47.71 - 71.57	N/A	N/A	-30.20	-29.99	1.20
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.49
Red	18.66	13.20 - 19.80	N/A	N/A	29.26	29.40	1.28

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9513

Fluidics

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

Comments