

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: 11/21/2016 09:55 AM
Cytometer Baseline: 10/31/2016 09:11 AM
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	125499	0	2.23	125639	2.23
Blue	F	SSC	125000	124772	-1	3.27	125925	3.21
Blue	E	FITC	19293	18477	-5	2.49	445	20.16
Blue	D	PE	30205	29584	-3	1.66	590	15.21
Blue	B	PE-Cy5	53947	53758	-1	4.22	1067	26.29
Blue	A	PE-Cy7	44503	44513	0	6.12	586	44.64
Red	C	APC	63278	63667	0	3.01	1520	18.46
Red	A	APC-Cy7	54872	54173	-2	3.73	842	20.25
Violet	B	DAPI	11764	11262	-5	3.69	769	13.83
Violet	A	AmCyan	46171	45253	-2	3.66	1425	11.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19102	5.66	579	-11	N/A	N/A	Pass
Blue	F	SSC	61884	3.14	417	-4	N/A	N/A	Pass
Blue	E	FITC	82	75.27	459	-4	0.0224	690	Pass
Blue	D	PE	147	45.62	494	-4	0.1768	282	Pass
Blue	B	PE-Cy5	229	64.35	659	-2	0.0065	207	Pass
Blue	A	PE-Cy7	118	121.45	703	-1	0.0107	71	Pass
Red	C	APC	427	35.86	734	-7	0.0136	97	Pass
Red	A	APC-Cy7	200	47.13	577	-6	0.0024	1088	Pass
Violet	B	DAPI	100	80.72	478	0	0.0438	4121	Pass
Violet	A	AmCyan	176	59.49	532	1	0.0175	5123	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	-29.26	-29.00	1.12
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.26
Red	16.40	12.75 - 19.13	N/A	N/A	29.65	30.07	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14320

Fluidics

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

Comments