

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: 11/09/2015 09:41 AM
Cytometer Baseline: 06/08/2015 10:24 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	121350	-3	2.72	121536	2.63
Blue	F	SSC	125000	117451	-7	2.71	118302	2.68
Blue	E	FITC	20752	20279	-3	3.19	491	19.68
Blue	D	PE	34971	34386	-2	2.46	679	16.75
Blue	B	PE-Cy5	59521	57993	-3	4.73	1155	27.50
Blue	A	PE-Cy7	45673	44453	-3	7.07	604	49.42
Red	C	APC	57794	56506	-3	2.92	1345	16.75
Red	A	APC-Cy7	53499	52657	-2	3.89	875	16.76
Violet	B	DAPI	11638	11227	-4	3.94	836	12.46
Violet	A	AmCyan	43958	42961	-3	3.41	1332	10.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16276	10.46	578	5	N/A	N/A	Pass
Blue	F	SSC	58768	2.41	414	4	N/A	N/A	Pass
Blue	E	FITC	86	64.25	470	4	0.0188	181	Pass
Blue	D	PE	170	49.00	509	7	0.1409	255	Pass
Blue	B	PE-Cy5	243	63.54	656	18	0.0056	78	Pass
Blue	A	PE-Cy7	115	131.58	709	33	0.0081	47	Pass
Red	C	APC	378	32.79	700	13	0.0171	126	Pass
Red	A	APC-Cy7	209	39.98	555	18	0.0035	1603	Pass
Violet	B	DAPI	113	65.55	473	8	0.0430	3163	Pass
Violet	A	AmCyan	166	40.24	523	9	0.0173	1508	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	59.62	47.71 - 71.57	N/A	N/A	-30.75	-29.84	1.19
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.45
Red	16.29	13.20 - 19.80	N/A	N/A	28.26	29.26	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12020

Fluidics

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

Comments