

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: 12/12/2016 09:32 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	124609	-1	2.61	124817	2.65
Blue	F	SSC	125000	124233	-1	3.72	125133	3.78
Blue	E	FITC	19293	18544	-4	2.58	446	22.55
Blue	D	PE	30205	29877	-2	1.77	593	15.74
Blue	B	PE-Cy5	53947	53133	-2	4.08	1065	26.81
Blue	A	PE-Cy7	44503	44348	-1	6.43	600	46.31
Red	C	APC	63278	63540	0	2.99	1513	18.22
Red	A	APC-Cy7	54872	54336	-1	4.21	886	19.82
Violet	B	DAPI	11764	11337	-4	3.78	784	14.14
Violet	A	AmCyan	46171	45094	-3	3.77	1407	11.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18378	6.15	579	-11	N/A	N/A	Pass
Blue	F	SSC	61784	3.64	415	-6	N/A	N/A	Pass
Blue	E	FITC	81	88.96	460	-3	0.0196	1011	Pass
Blue	D	PE	149	48.59	496	-2	0.1864	375	Pass
Blue	B	PE-Cy5	225	70.40	661	0	0.0065	347	Pass
Blue	A	PE-Cy7	118	124.60	707	3	0.0095	59	Pass
Red	C	APC	426	36.36	735	-6	0.0145	168	Pass
Red	A	APC-Cy7	217	45.98	580	-3	0.0024	1417	Pass
Violet	B	DAPI	104	82.19	480	2	0.0426	4441	Pass
Violet	A	AmCyan	172	64.38	534	3	0.0175	6016	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	-29.32	-29.11	1.13
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.26
Red	16.64	12.75 - 19.13	N/A	N/A	29.70	30.09	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11669

Fluidics

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

Comments