

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: 04/11/2016 09:53 AM
Cytometer Baseline: 12/15/2015 01:27 PM
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	123508	-2	2.34	123636	2.30
Blue	F	SSC	125000	121492	-3	3.22	122386	3.18
Blue	E	FITC	19512	18285	-7	4.70	438	22.92
Blue	D	PE	34487	33822	-2	4.68	660	20.39
Blue	B	PE-Cy5	58285	56908	-3	6.63	1159	33.93
Blue	A	PE-Cy7	46791	45537	-3	11.97	644	62.02
Red	C	APC	58704	58446	-1	4.60	1384	18.88
Red	A	APC-Cy7	53810	52363	-3	11.80	929	20.40
Violet	B	DAPI	11790	11065	-7	5.37	811	15.13
Violet	A	AmCyan	45340	43497	-5	5.69	1330	13.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16878	11.75	580	-10	N/A	N/A	Pass
Blue	F	SSC	62105	2.06	421	0	N/A	N/A	Pass
Blue	E	FITC	77	79.62	476	2	0.0154	404	Pass
Blue	D	PE	164	61.12	525	8	0.1059	320	Pass
Blue	B	PE-Cy5	236	85.88	703	26	0.0038	227	Pass
Blue	A	PE-Cy7	118	180.80	763	35	0.0053	85	Pass
Red	C	APC	401	36.30	728	23	0.0139	144	Pass
Red	A	APC-Cy7	231	47.66	587	26	0.0039	5654	Pass
Violet	B	DAPI	109	87.68	496	19	0.0456	6570	Pass
Violet	A	AmCyan	167	56.38	552	25	0.0131	2977	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	-29.97	-29.66	1.18
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.44
Red	16.26	12.75 - 19.13	N/A	N/A	28.62	29.18	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11643

Fluidics

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

Comments