

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 8.0
Input Device:	Carousel	Date:	07/11/2016 09:16 AM
Setup Bead Position:	1	Cytometer Baseline:	12/15/2015 01:27 PM (Expired)
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	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	124455	-1	1.58	124547	1.61
Blue	F	SSC	125000	124645	-1	2.22	125676	2.17
Blue	E	FITC	19512	18645	-5	2.46	448	18.64
Blue	D	PE	34487	33631	-3	1.67	671	14.43
Blue	B	PE-Cy5	58285	57324	-2	4.15	1135	24.77
Blue	A	PE-Cy7	46791	47083	0	6.15	620	43.19
Red	C	APC	58704	59337	1	2.98	1418	18.14
Red	A	APC-Cy7	53810	52765	-2	3.42	818	19.83
Violet	B	DAPI	11790	11438	-3	2.90	788	12.21
Violet	A	AmCyan	45340	44207	-3	2.85	1388	9.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18763	5.40	580	-10	N/A	N/A	Pass
Blue	F	SSC	61926	2.39	416	-5	N/A	N/A	Pass
Blue	E	FITC	83	63.87	458	-16	0.0232	356	Pass
Blue	D	PE	169	42.68	500	-17	0.1944	262	Pass
Blue	B	PE-Cy5	244	59.77	657	-20	0.0073	179	Pass
Blue	A	PE-Cy7	129	105.69	698	-30	0.0107	31	Pass
Red	C	APC	397	35.96	722	17	0.0144	141	Pass
Red	A	APC-Cy7	196	45.83	569	8	0.0025	995	Pass
Violet	B	DAPI	103	67.68	468	-9	0.0459	2825	Pass
Violet	A	AmCyan	169	39.27	520	-7	0.0202	1719	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	-29.04	-28.68	1.12
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.28
Red	14.37	12.75 - 19.13	N/A	N/A	29.14	29.61	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13686

Fluidics

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

Comments