

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: 11/28/2016 09:15 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	123967	-1	2.31	123965	2.33
Blue	F	SSC	125000	123454	-2	3.85	124276	3.79
Blue	E	FITC	19293	18362	-5	2.57	442	22.55
Blue	D	PE	30205	29398	-3	1.68	583	15.84
Blue	B	PE-Cy5	53947	53269	-2	4.13	1060	27.11
Blue	A	PE-Cy7	44503	43655	-2	6.16	581	46.45
Red	C	APC	63278	63711	0	3.00	1527	18.25
Red	A	APC-Cy7	54872	54034	-2	3.93	854	19.34
Violet	B	DAPI	11764	11432	-3	4.11	780	14.46
Violet	A	AmCyan	46171	45411	-2	4.18	1420	12.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18717	6.43	582	-8	N/A	N/A	Pass
Blue	F	SSC	61235	3.78	416	-5	N/A	N/A	Pass
Blue	E	FITC	81	91.24	460	-3	0.0209	1180	Pass
Blue	D	PE	147	49.00	495	-3	0.1832	372	Pass
Blue	B	PE-Cy5	225	69.62	659	-2	0.0063	300	Pass
Blue	A	PE-Cy7	114	124.09	702	-2	0.0095	55	Pass
Red	C	APC	431	35.72	731	-10	0.0141	122	Pass
Red	A	APC-Cy7	205	46.91	574	-9	0.0027	1774	Pass
Violet	B	DAPI	102	85.66	480	2	0.0433	4681	Pass
Violet	A	AmCyan	172	69.25	534	3	0.0158	6306	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	-29.56	-29.23	1.14
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.25
Red	16.34	12.75 - 19.13	N/A	N/A	29.81	30.26	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9596

Fluidics

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

Comments