

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: 05/07/2018 09:23 AM
Cytometer Baseline: 10/23/2017 09:39 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (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	124435	-1	1.27	124597	1.25
Blue	F	SSC	125000	122909	-2	2.78	124032	2.74
Blue	E	FITC	18535	17685	-5	2.73	484	15.85
Blue	D	PE	29708	28809	-4	2.20	778	11.03
Blue	B	PE-Cy5	70430	68821	-3	3.68	1608	16.16
Blue	A	PE-Cy7	70607	69097	-3	6.39	954	25.10
Red	C	APC	76673	76198	-1	2.39	2432	11.45
Red	A	APC-Cy7	78803	76927	-3	5.57	1409	11.30
Violet	B	DAPI	11434	11134	-3	2.34	793	10.57
Violet	A	AmCyan	43596	43034	-2	1.83	1253	9.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18631	5.11	526	-10	N/A	N/A	Pass
Blue	F	SSC	57454	2.86	379	-6	N/A	N/A	Pass
Blue	E	FITC	71	69.40	432	-8	0.0329	449	Pass
Blue	D	PE	132	46.01	465	-8	0.2915	349	Pass
Blue	B	PE-Cy5	248	45.48	602	-7	0.0120	150	Pass
Blue	A	PE-Cy7	155	66.86	625	-8	0.0227	23	Pass
Red	C	APC	506	25.17	667	0	0.0228	85	Pass
Red	A	APC-Cy7	244	29.33	515	0	0.0061	1920	Pass
Violet	B	DAPI	97	65.68	441	-1	0.0782	4018	Pass
Violet	A	AmCyan	150	48.61	490	0	0.0283	3894	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	47.84 - 71.76	N/A	N/A	-29.76	-29.43	1.23
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	16.02	14.86 - 22.30	N/A	N/A	27.38	27.74	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10192

Fluidics

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

Comments