

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: 10/12/2020 09:04 AM
Cytometer Baseline: 06/24/2019 09:23 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019 (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	124760	-1	1.90	124886	1.86
Blue	F	SSC	125000	124429	-1	1.72	125330	1.72
Blue	E	FITC	19687	19094	-4	2.43	490	16.58
Blue	D	PE	35036	34189	-3	1.72	770	12.33
Blue	B	PE-Cy5	53922	52486	-3	3.39	1482	18.30
Blue	A	PE-Cy7	41443	40255	-3	5.02	933	26.41
Red	C	APC	64207	64203	-1	2.59	1825	12.85
Red	A	APC-Cy7	48785	47490	-3	2.66	1454	11.16
Violet	B	DAPI	11947	11635	-3	4.02	786	10.71
Violet	A	AmCyan	48649	47620	-3	4.00	1489	8.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16260	12.00	543	-17	N/A	N/A	Pass
Blue	F	SSC	57934	1.35	387	-9	N/A	N/A	Pass
Blue	E	FITC	77	66.86	442	-6	0.0302	410	Pass
Blue	D	PE	152	44.48	478	-7	0.2426	295	Pass
Blue	B	PE-Cy5	230	49.09	610	-10	0.0100	55	Pass
Blue	A	PE-Cy7	134	72.45	628	-11	0.0195	5	Pass
Red	C	APC	357	30.09	668	-10	0.0242	115	Pass
Red	A	APC-Cy7	204	32.52	520	-10	0.0048	470	Pass
Violet	B	DAPI	97	65.30	446	-4	0.1053	6046	Pass
Violet	A	AmCyan	165	44.58	505	0	0.0358	4820	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	-30.07	-29.82	1.16
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	17.18	12.80 - 19.20	N/A	N/A	27.93	28.26	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9614

Fluidics

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

Comments