

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: 12/16/2019 09:30 AM
Cytometer Baseline: 06/24/2019 09:23 AM
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	125325	0	1.47	125423	1.47
Blue	F	SSC	125000	125171	0	1.45	126182	1.48
Blue	E	FITC	19687	19145	-3	2.43	492	16.47
Blue	D	PE	35036	34716	-1	1.75	783	12.09
Blue	B	PE-Cy5	53922	52978	-2	3.50	1494	18.10
Blue	A	PE-Cy7	41443	40673	-2	5.32	929	26.69
Red	C	APC	64207	64153	-1	2.91	1829	13.05
Red	A	APC-Cy7	48785	48039	-2	2.63	1461	11.16
Violet	B	DAPI	11947	11653	-3	2.56	777	10.23
Violet	A	AmCyan	48649	48175	-1	2.37	1502	8.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16322	7.56	543	-17	N/A	N/A	Pass
Blue	F	SSC	57996	1.10	387	-9	N/A	N/A	Pass
Blue	E	FITC	77	63.96	442	-6	0.0288	280	Pass
Blue	D	PE	153	45.51	479	-6	0.2783	375	Pass
Blue	B	PE-Cy5	235	48.78	612	-8	0.0103	78	Pass
Blue	A	PE-Cy7	138	73.32	630	-9	0.0196	13	Pass
Red	C	APC	356	29.98	670	-8	0.0233	80	Pass
Red	A	APC-Cy7	206	33.78	522	-8	0.0050	882	Pass
Violet	B	DAPI	97	63.28	439	-11	0.1003	5346	Pass
Violet	A	AmCyan	164	42.97	495	-10	0.0364	4262	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	-29.95	-29.64	1.19
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	18.03	12.80 - 19.20	N/A	N/A	27.70	28.01	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9611

Fluidics

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

Comments