

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: 10/26/2020 09:05 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	124496	-1	1.61	124599	1.63
Blue	F	SSC	125000	125306	0	1.46	126146	1.41
Blue	E	FITC	19687	19101	-3	2.50	494	17.39
Blue	D	PE	35036	34748	-1	1.72	778	12.50
Blue	B	PE-Cy5	53922	53111	-2	3.43	1490	18.82
Blue	A	PE-Cy7	41443	40321	-3	5.11	929	27.02
Red	C	APC	64207	64197	-1	2.59	1826	12.72
Red	A	APC-Cy7	48785	47532	-3	2.62	1469	10.99
Violet	B	DAPI	11947	11726	-2	3.27	815	10.44
Violet	A	AmCyan	48649	48143	-2	3.10	1502	9.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15363	10.60	547	-13	N/A	N/A	Pass
Blue	F	SSC	58478	1.11	390	-6	N/A	N/A	Pass
Blue	E	FITC	77	69.77	445	-3	0.0267	416	Pass
Blue	D	PE	154	46.97	482	-3	0.2639	390	Pass
Blue	B	PE-Cy5	233	52.33	615	-5	0.0096	119	Pass
Blue	A	PE-Cy7	132	74.98	631	-8	0.0187	8	Pass
Red	C	APC	360	30.09	669	-9	0.0251	146	Pass
Red	A	APC-Cy7	208	33.05	519	-11	0.0050	848	Pass
Violet	B	DAPI	104	63.30	445	-5	0.1042	6418	Pass
Violet	A	AmCyan	167	52.88	505	0	0.0326	6803	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	47.84 - 71.76	N/A	N/A	-29.92	-29.58	1.17
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	18.12	12.80 - 19.20	N/A	N/A	27.68	28.05	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9713

Fluidics

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

Comments