

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: 06/15/2020 09:10 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	124132	-1	1.71	124220	1.67
Blue	F	SSC	125000	122364	-3	1.56	123147	1.49
Blue	E	FITC	19687	18907	-4	2.57	490	16.12
Blue	D	PE	35036	33641	-4	1.89	755	11.96
Blue	B	PE-Cy5	53922	52448	-3	3.55	1479	17.54
Blue	A	PE-Cy7	41443	40223	-3	5.24	924	26.38
Red	C	APC	64207	64051	-1	2.44	1830	12.80
Red	A	APC-Cy7	48785	47999	-2	2.50	1468	10.90
Violet	B	DAPI	11947	11607	-3	3.19	806	10.04
Violet	A	AmCyan	48649	48105	-2	3.04	1495	8.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14994	9.77	540	-20	N/A	N/A	Pass
Blue	F	SSC	57064	1.18	385	-11	N/A	N/A	Pass
Blue	E	FITC	74	63.54	441	-7	0.0296	231	Pass
Blue	D	PE	149	45.39	477	-8	0.3040	411	Pass
Blue	B	PE-Cy5	229	48.11	609	-11	0.0111	92	Pass
Blue	A	PE-Cy7	132	73.28	627	-12	0.0199	9	Pass
Red	C	APC	356	29.54	667	-11	0.0239	82	Pass
Red	A	APC-Cy7	206	33.05	518	-12	0.0052	843	Pass
Violet	B	DAPI	102	58.97	441	-9	0.0959	4783	Pass
Violet	A	AmCyan	167	45.30	499	-6	0.0368	5232	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	-30.07	-29.76	1.16
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	18.17	12.80 - 19.20	N/A	N/A	27.93	28.21	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10348

Fluidics

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

Comments