

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: 06/22/2020 09:15 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	123415	-2	1.46	123507	1.49
Blue	F	SSC	125000	121889	-3	1.46	122764	1.49
Blue	E	FITC	19687	18705	-5	2.66	482	16.53
Blue	D	PE	35036	33957	-4	1.71	761	11.96
Blue	B	PE-Cy5	53922	52299	-4	4.09	1470	18.73
Blue	A	PE-Cy7	41443	39713	-5	6.07	907	26.59
Red	C	APC	64207	63730	-1	2.68	1809	12.77
Red	A	APC-Cy7	48785	47855	-2	3.14	1451	11.57
Violet	B	DAPI	11947	11442	-5	2.72	772	10.74
Violet	A	AmCyan	48649	48017	-2	2.34	1496	8.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15411	9.01	537	-23	N/A	N/A	Pass
Blue	F	SSC	56562	1.17	384	-12	N/A	N/A	Pass
Blue	E	FITC	75	66.57	439	-9	0.0300	353	Pass
Blue	D	PE	150	43.87	476	-9	0.2725	322	Pass
Blue	B	PE-Cy5	231	49.09	609	-11	0.0096	43	Pass
Blue	A	PE-Cy7	133	73.28	626	-13	0.0201	13	Pass
Red	C	APC	353	30.21	667	-11	0.0249	135	Pass
Red	A	APC-Cy7	210	33.78	521	-9	0.0047	767	Pass
Violet	B	DAPI	97	61.47	438	-12	0.0650	3183	Pass
Violet	A	AmCyan	165	50.13	496	-9	0.0318	5646	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	-29.68	-29.42	1.19
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.54
Red	16.93	12.80 - 19.20	N/A	N/A	27.66	27.94	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10604

Fluidics

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

Comments