

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: 01/27/2020 10:16 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	124953	-1	1.80	125016	1.83
Blue	F	SSC	125000	124194	-1	1.50	125123	1.51
Blue	E	FITC	19687	19255	-3	2.40	495	16.37
Blue	D	PE	35036	34940	-1	1.69	784	12.36
Blue	B	PE-Cy5	53922	52931	-2	3.70	1500	18.03
Blue	A	PE-Cy7	41443	40698	-2	5.70	948	26.14
Red	C	APC	64207	64013	-1	2.33	1821	12.65
Red	A	APC-Cy7	48785	47602	-3	2.87	1503	10.65
Violet	B	DAPI	11947	11702	-3	3.01	796	10.21
Violet	A	AmCyan	48649	48317	-1	2.95	1502	8.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17323	8.54	545	-15	N/A	N/A	Pass
Blue	F	SSC	57860	1.19	387	-9	N/A	N/A	Pass
Blue	E	FITC	77	61.05	443	-5	0.0276	172	Pass
Blue	D	PE	155	43.61	480	-5	0.2290	255	Pass
Blue	B	PE-Cy5	231	49.75	613	-7	0.0105	96	Pass
Blue	A	PE-Cy7	138	73.32	632	-7	0.0204	18	Pass
Red	C	APC	357	29.54	667	-11	0.0248	108	Pass
Red	A	APC-Cy7	213	32.95	519	-11	0.0055	1279	Pass
Violet	B	DAPI	98	60.73	438	-12	0.0861	4153	Pass
Violet	A	AmCyan	165	39.46	494	-11	0.0390	3651	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	-30.11	-29.77	1.19
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.52
Red	17.53	12.80 - 19.20	N/A	N/A	27.97	28.21	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10393

Fluidics

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

Comments