

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: 05/12/2020 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	125804	0	2.92	125860	3.05
Blue	F	SSC	125000	124809	-1	1.73	125777	1.66
Blue	E	FITC	19687	19455	-2	2.56	500	16.67
Blue	D	PE	35036	35219	0	1.87	790	12.28
Blue	B	PE-Cy5	53922	53100	-2	3.87	1499	18.51
Blue	A	PE-Cy7	41443	40857	-2	5.90	936	26.76
Red	C	APC	64207	64327	0	2.45	1837	12.70
Red	A	APC-Cy7	48785	47612	-3	2.72	1455	11.19
Violet	B	DAPI	11947	11564	-4	2.87	780	10.51
Violet	A	AmCyan	48649	47688	-2	2.76	1490	9.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18509	10.06	550	-10	N/A	N/A	Pass
Blue	F	SSC	58036	1.49	388	-8	N/A	N/A	Pass
Blue	E	FITC	79	62.73	445	-3	0.0272	233	Pass
Blue	D	PE	156	44.62	481	-4	0.2536	321	Pass
Blue	B	PE-Cy5	232	50.39	614	-6	0.0099	85	Pass
Blue	A	PE-Cy7	138	73.32	633	-6	0.0196	12	Pass
Red	C	APC	359	29.98	667	-11	0.0248	132	Pass
Red	A	APC-Cy7	207	34.00	520	-10	0.0050	998	Pass
Violet	B	DAPI	97	64.31	439	-11	0.0894	4991	Pass
Violet	A	AmCyan	164	52.95	496	-9	0.0346	7187	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	-29.99	-29.66	1.18
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.52
Red	18.22	12.80 - 19.20	N/A	N/A	27.77	28.15	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10851

Fluidics

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

Comments