

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	10/03/2022 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/10/2022 09:13 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82158 **Expiration Date:** 08/31/2020 (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	126425	1	2.70	126569	2.63
Blue	F	SSC	125000	124729	-1	1.82	125315	1.79
Blue	E	FITC	20683	20077	-3	2.56	423	20.96
Blue	D	PE	34454	33929	-2	1.67	720	13.84
Blue	B	PE-Cy5	48076	46889	-3	3.90	1356	20.83
Blue	A	PE-Cy7	34574	33673	-3	5.72	746	31.49
Red	C	APC	54895	54748	-1	2.74	1782	13.40
Red	A	APC-Cy7	41657	41227	-2	2.84	1234	12.42
Violet	B	DAPI	11284	10599	-7	5.14	702	12.67
Violet	A	AmCyan	44139	42334	-5	4.89	1039	12.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16583	16.69	567	2	N/A	N/A	Pass
Blue	F	SSC	58151	1.36	402	4	N/A	N/A	Pass
Blue	E	FITC	76	72.68	463	4	0.0199	300	Pass
Blue	D	PE	146	49.92	493	3	0.2099	343	Pass
Blue	B	PE-Cy5	249	53.27	632	3	0.0086	129	Pass
Blue	A	PE-Cy7	140	78.86	645	1	0.0166	23	Pass
Red	C	APC	402	28.98	679	8	0.0222	122	Pass
Red	A	APC-Cy7	263	30.24	529	4	0.0047	1181	Pass
Violet	B	DAPI	97	67.88	456	7	0.0773	5328	Pass
Violet	A	AmCyan	151	58.61	519	12	0.0207	5145	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	-30.35	-29.86	1.18
Blue	20.23	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.50
Red	14.91	12.72 - 19.08	N/A	N/A	28.03	28.44	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9944

Fluidics

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

Comments