

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:	05/09/2023 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/16/2023 10:20 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	124910	-1	1.78	125151	1.78
Blue	F	SSC	125000	126057	0	1.79	126599	1.85
Blue	E	FITC	20434	19857	-3	2.51	419	21.48
Blue	D	PE	34399	34294	-1	1.74	727	13.89
Blue	B	PE-Cy5	48387	47531	-2	3.71	1358	20.53
Blue	A	PE-Cy7	34835	34461	-2	5.61	746	30.59
Red	C	APC	54234	54624	0	2.88	1754	12.67
Red	A	APC-Cy7	42473	41798	-2	3.06	1211	12.50
Violet	B	DAPI	10884	10446	-5	3.53	713	13.87
Violet	A	AmCyan	41787	40171	-4	3.34	984	14.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13985	13.07	563	-2	N/A	N/A	Pass
Blue	F	SSC	58655	1.09	396	-2	N/A	N/A	Pass
Blue	E	FITC	75	87.21	453	-6	0.0251	928	Pass
Blue	D	PE	148	50.41	485	-5	0.2137	362	Pass
Blue	B	PE-Cy5	247	57.71	623	-7	0.0095	308	Pass
Blue	A	PE-Cy7	140	81.15	637	-6	0.0187	48	Pass
Red	C	APC	390	27.26	662	-5	0.0258	111	Pass
Red	A	APC-Cy7	245	31.17	521	-3	0.0048	1057	Pass
Violet	B	DAPI	98	81.03	443	0	0.0597	6653	Pass
Violet	A	AmCyan	148	80.45	504	2	0.0231	13293	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	-30.21	-29.91	1.15
Blue	20.25	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.48
Red	18.41	14.40 - 21.60	N/A	N/A	27.74	28.06	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9698

Fluidics

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

Comments