

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:	10/16/2023 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	126296	1	1.82	126366	1.90
Blue	F	SSC	125000	125354	0	1.94	125986	1.89
Blue	E	FITC	20434	19803	-4	2.43	422	18.67
Blue	D	PE	34399	34293	-1	1.80	729	12.66
Blue	B	PE-Cy5	48387	47301	-3	3.65	1371	19.07
Blue	A	PE-Cy7	34835	34509	-1	5.68	752	29.05
Red	C	APC	54234	54770	0	2.57	1777	12.57
Red	A	APC-Cy7	42473	42053	-1	2.71	1246	11.95
Violet	B	DAPI	10884	10566	-3	2.38	665	10.85
Violet	A	AmCyan	41787	40918	-3	2.04	1007	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21682	5.86	550	-15	N/A	N/A	Pass
Blue	F	SSC	57647	1.74	391	-7	N/A	N/A	Pass
Blue	E	FITC	77	63.96	448	-11	0.0251	244	Pass
Blue	D	PE	149	46.90	480	-10	0.2869	428	Pass
Blue	B	PE-Cy5	249	47.01	616	-14	0.0101	54	Pass
Blue	A	PE-Cy7	145	71.04	629	-14	0.0199	20	Pass
Red	C	APC	395	28.49	670	3	0.0267	229	Pass
Red	A	APC-Cy7	261	29.21	525	1	0.0051	1065	Pass
Violet	B	DAPI	93	61.93	443	0	0.1144	5981	Pass
Violet	A	AmCyan	144	42.53	506	4	0.0244	2488	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	-30.07	-29.80	1.19
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.52
Red	17.69	14.40 - 21.60	N/A	N/A	27.79	28.09	1.29

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9502

Fluidics

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

Comments