

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:	04/24/2023 09:13 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	124198	-1	1.61	124377	1.62
Blue	F	SSC	125000	125610	0	1.27	126337	1.27
Blue	E	FITC	20434	19973	-3	2.48	422	19.91
Blue	D	PE	34399	33980	-2	1.65	724	13.45
Blue	B	PE-Cy5	48387	47318	-3	3.75	1368	19.75
Blue	A	PE-Cy7	34835	34460	-2	5.46	754	30.53
Red	C	APC	54234	54414	0	2.42	1774	12.61
Red	A	APC-Cy7	42473	41751	-2	2.91	1232	11.95
Violet	B	DAPI	10884	10622	-3	2.04	675	11.46
Violet	A	AmCyan	41787	40523	-4	1.64	998	11.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15058	9.64	551	-14	N/A	N/A	Pass
Blue	F	SSC	57394	0.99	393	-5	N/A	N/A	Pass
Blue	E	FITC	79	69.93	455	-4	0.0236	402	Pass
Blue	D	PE	149	47.44	486	-4	0.2177	321	Pass
Blue	B	PE-Cy5	252	50.88	625	-5	0.0097	146	Pass
Blue	A	PE-Cy7	146	72.62	639	-4	0.0175	9	Pass
Red	C	APC	393	27.95	669	2	0.0256	163	Pass
Red	A	APC-Cy7	260	29.37	526	2	0.0052	1229	Pass
Violet	B	DAPI	93	68.71	444	1	0.1060	6943	Pass
Violet	A	AmCyan	144	59.54	503	1	0.0256	6791	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	59.78	47.84 - 71.76	N/A	N/A	-30.22	-30.00	1.14
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.49
Red	16.70	14.40 - 21.60	N/A	N/A	27.88	28.23	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9936

Fluidics

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

Comments