

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0
Date: 04/12/2021 09:21 AM
Cytometer Baseline: 01/07/2021 10:46 AM
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	126183	0	1.94	126423	1.96
Blue	F	SSC	125000	123123	-2	1.39	123759	1.35
Blue	E	FITC	20730	20088	-4	2.34	420	19.41
Blue	D	PE	37062	37168	0	1.64	784	12.72
Blue	B	PE-Cy5	46445	45625	-2	3.60	1318	19.09
Blue	A	PE-Cy7	33824	33151	-2	5.38	746	27.95
Red	C	APC	57179	57024	-1	2.68	1855	13.12
Red	A	APC-Cy7	43213	42310	-3	2.80	1284	11.77
Violet	B	DAPI	11061	10862	-2	2.10	809	9.59
Violet	A	AmCyan	46201	45929	-1	1.65	1129	10.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14058	14.74	543	-22	N/A	N/A	Pass
Blue	F	SSC	57442	1.03	388	-4	N/A	N/A	Pass
Blue	E	FITC	74	72.62	443	-9	0.0260	443	Pass
Blue	D	PE	162	46.16	483	-8	0.2753	395	Pass
Blue	B	PE-Cy5	252	47.62	609	-12	0.0103	125	Pass
Blue	A	PE-Cy7	151	68.89	624	-13	0.0214	36	Pass
Red	C	APC	415	29.27	677	2	0.0238	189	Pass
Red	A	APC-Cy7	276	29.08	525	-3	0.0053	1553	Pass
Violet	B	DAPI	108	53.76	438	-5	0.0961	4647	Pass
Violet	A	AmCyan	166	46.60	503	1	0.0288	4365	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	-30.02	-29.42	1.19
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.79	12.80 - 19.20	N/A	N/A	27.35	27.97	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9504

Fluidics

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

Comments