

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:	01/09/2023 09:21 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	126783	1	1.66	126836	1.68
Blue	F	SSC	125000	123358	-2	1.64	124029	1.64
Blue	E	FITC	20683	20405	-2	2.35	431	19.05
Blue	D	PE	34454	34318	-1	1.52	731	12.76
Blue	B	PE-Cy5	48076	47060	-3	3.56	1364	18.74
Blue	A	PE-Cy7	34574	34006	-2	5.36	743	28.70
Red	C	APC	54895	54759	-1	2.39	1781	12.44
Red	A	APC-Cy7	41657	40553	-3	2.86	1195	11.47
Violet	B	DAPI	11284	10983	-3	2.35	695	11.89
Violet	A	AmCyan	44139	43527	-2	2.01	1070	11.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18185	8.73	547	-18	N/A	N/A	Pass
Blue	F	SSC	57351	1.48	390	-8	N/A	N/A	Pass
Blue	E	FITC	79	67.14	450	-9	0.0254	353	Pass
Blue	D	PE	149	45.96	480	-10	0.2564	357	Pass
Blue	B	PE-Cy5	251	48.54	615	-14	0.0108	155	Pass
Blue	A	PE-Cy7	143	69.50	628	-16	0.0202	15	Pass
Red	C	APC	399	27.30	665	-6	0.0264	152	Pass
Red	A	APC-Cy7	254	27.29	519	-6	0.0056	807	Pass
Violet	B	DAPI	96	68.03	444	-5	0.0788	5007	Pass
Violet	A	AmCyan	154	56.69	505	-2	0.0283	6753	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	-30.52	-30.16	1.14
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	15.95	14.40 - 21.60	N/A	N/A	28.07	28.38	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10127

Fluidics

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

Comments