

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:	01/16/2023 10:23 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	124688	-1	1.78	124860	1.75
Blue	F	SSC	125000	124277	-1	1.66	124907	1.64
Blue	E	FITC	20434	19799	-4	2.52	419	19.20
Blue	D	PE	34399	33404	-3	1.57	711	13.82
Blue	B	PE-Cy5	48387	46710	-4	3.75	1346	20.25
Blue	A	PE-Cy7	34835	33800	-3	5.61	734	31.36
Red	C	APC	54234	54643	0	2.40	1777	12.80
Red	A	APC-Cy7	42473	41850	-2	2.97	1235	11.86
Violet	B	DAPI	10884	10546	-4	2.01	670	10.55
Violet	A	AmCyan	41787	40696	-3	1.63	1001	10.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17754	9.04	560	-5	N/A	N/A	Pass
Blue	F	SSC	57037	1.49	395	-3	N/A	N/A	Pass
Blue	E	FITC	76	63.96	457	-2	0.0230	188	Pass
Blue	D	PE	144	47.88	488	-2	0.1891	260	Pass
Blue	B	PE-Cy5	247	49.72	627	-3	0.0089	55	Pass
Blue	A	PE-Cy7	140	76.52	640	-3	0.0169	15	Pass
Red	C	APC	395	27.56	668	1	0.0243	98	Pass
Red	A	APC-Cy7	259	28.21	523	-1	0.0052	758	Pass
Violet	B	DAPI	92	62.23	441	-2	0.1216	6179	Pass
Violet	A	AmCyan	144	47.86	500	-2	0.0277	4194	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	-30.19	-30.06	1.14
Blue	20.24	16.19 - 24.29	1.44	1.14 - 1.70	0.00	0.00	1.51
Red	17.75	14.40 - 21.60	N/A	N/A	28.01	28.25	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9512

Fluidics

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

Comments