

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:	03/06/2023 09:45 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	123558	-2	2.36	123664	2.37
Blue	F	SSC	125000	125766	0	1.80	126445	1.76
Blue	E	FITC	20434	19825	-3	2.47	420	18.86
Blue	D	PE	34399	33763	-2	1.58	720	12.84
Blue	B	PE-Cy5	48387	47513	-2	3.64	1385	19.70
Blue	A	PE-Cy7	34835	33571	-4	5.50	745	29.83
Red	C	APC	54234	54005	-1	2.47	1756	12.77
Red	A	APC-Cy7	42473	41964	-2	3.32	1268	11.69
Violet	B	DAPI	10884	10609	-3	2.03	681	10.89
Violet	A	AmCyan	41787	40558	-3	1.65	998	10.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17322	13.93	554	-11	N/A	N/A	Pass
Blue	F	SSC	58214	1.71	392	-6	N/A	N/A	Pass
Blue	E	FITC	77	65.58	453	-6	0.0254	287	Pass
Blue	D	PE	145	46.90	484	-6	0.2542	357	Pass
Blue	B	PE-Cy5	255	49.13	623	-7	0.0094	86	Pass
Blue	A	PE-Cy7	144	73.37	636	-7	0.0185	21	Pass
Red	C	APC	395	27.68	668	1	0.0247	128	Pass
Red	A	APC-Cy7	271	28.01	526	2	0.0055	1171	Pass
Violet	B	DAPI	94	62.52	444	1	0.0975	5197	Pass
Violet	A	AmCyan	143	47.07	503	1	0.0282	4044	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	-30.73	-30.46	1.14
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.49
Red	15.61	14.40 - 21.60	N/A	N/A	28.42	28.57	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9859

Fluidics

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

Comments