

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:	01/15/2024 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/07/2023 11:15 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	124802	-1	1.10	124789	1.13
Blue	F	SSC	125000	124410	-1	2.09	124837	2.13
Blue	E	FITC	20274	19868	-3	2.54	421	18.40
Blue	D	PE	33957	32908	-4	1.93	698	12.66
Blue	B	PE-Cy5	48011	46217	-4	3.36	1322	18.10
Blue	A	PE-Cy7	35963	35100	-3	4.92	769	27.75
Red	C	APC	55970	56109	0	2.49	1822	12.73
Red	A	APC-Cy7	43527	42866	-2	2.77	1261	11.42
Violet	B	DAPI	12286	11963	-3	2.32	799	10.83
Violet	A	AmCyan	41615	40432	-3	2.04	995	11.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18524	2.52	539	-2	N/A	N/A	Pass
Blue	F	SSC	57848	1.67	387	1	N/A	N/A	Pass
Blue	E	FITC	75	65.58	444	-1	0.0269	300	Pass
Blue	D	PE	142	45.39	474	-2	0.2621	333	Pass
Blue	B	PE-Cy5	248	45.95	608	-4	0.0117	132	Pass
Blue	A	PE-Cy7	149	67.65	625	-3	0.0216	18	Pass
Red	C	APC	406	28.09	670	-2	0.0252	157	Pass
Red	A	APC-Cy7	266	28.11	522	-6	0.0058	1199	Pass
Violet	B	DAPI	112	59.93	446	-4	0.0869	4681	Pass
Violet	A	AmCyan	145	53.47	501	-4	0.0270	5651	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	-29.95	-29.57	1.19
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.45
Red	17.32	14.40 - 21.60	N/A	N/A	29.29	29.60	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 11862

Fluidics

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

Comments