

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:	03/29/2021 08:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/07/2021 10:46 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	124180	-1	2.37	124395	2.37
Blue	F	SSC	125000	122616	-2	1.74	123221	1.71
Blue	E	FITC	20730	19950	-4	2.42	416	17.86
Blue	D	PE	37062	36576	-2	1.72	773	12.52
Blue	B	PE-Cy5	46445	45102	-3	3.57	1305	18.47
Blue	A	PE-Cy7	33824	33113	-3	5.32	745	28.56
Red	C	APC	57179	56564	-2	2.58	1840	12.90
Red	A	APC-Cy7	43213	42676	-2	2.86	1288	11.72
Violet	B	DAPI	11061	10757	-3	2.20	784	9.82
Violet	A	AmCyan	46201	45220	-3	1.86	1108	9.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13307	18.47	541	-24	N/A	N/A	Pass
Blue	F	SSC	57141	1.20	388	-4	N/A	N/A	Pass
Blue	E	FITC	75	62.27	444	-8	0.0288	231	Pass
Blue	D	PE	158	44.19	483	-8	0.2563	302	Pass
Blue	B	PE-Cy5	247	45.48	609	-12	0.0109	91	Pass
Blue	A	PE-Cy7	147	67.25	625	-12	0.0196	9	Pass
Red	C	APC	412	28.04	672	-3	0.0242	130	Pass
Red	A	APC-Cy7	277	27.95	522	-6	0.0052	1003	Pass
Violet	B	DAPI	105	56.64	441	-2	0.1065	5643	Pass
Violet	A	AmCyan	163	38.68	505	3	0.0303	2608	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	-29.97	-29.58	1.18
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	18.21	12.80 - 19.20	N/A	N/A	27.78	28.11	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9537

Fluidics

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

Comments