

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:	03/08/2021 08:55 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	123928	-1	1.88	124205	1.84
Blue	F	SSC	125000	122047	-3	1.51	122634	1.47
Blue	E	FITC	20730	20044	-4	2.52	421	20.87
Blue	D	PE	37062	36410	-2	1.73	774	13.11
Blue	B	PE-Cy5	46445	45215	-3	3.69	1307	20.10
Blue	A	PE-Cy7	33824	32601	-4	5.42	725	30.15
Red	C	APC	57179	56507	-2	2.73	1833	12.79
Red	A	APC-Cy7	43213	41828	-4	2.81	1249	11.57
Violet	B	DAPI	11061	10764	-3	2.18	746	11.17
Violet	A	AmCyan	46201	45909	-1	1.81	1121	11.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14171	13.68	551	-14	N/A	N/A	Pass
Blue	F	SSC	56742	1.15	391	-1	N/A	N/A	Pass
Blue	E	FITC	76	83.03	449	-3	0.0257	802	Pass
Blue	D	PE	158	48.47	488	-3	0.2619	420	Pass
Blue	B	PE-Cy5	244	52.49	616	-5	0.0094	189	Pass
Blue	A	PE-Cy7	141	74.93	631	-6	0.0182	28	Pass
Red	C	APC	411	28.51	670	-5	0.0255	196	Pass
Red	A	APC-Cy7	266	28.62	521	-7	0.0056	1394	Pass
Violet	B	DAPI	103	61.15	440	-3	0.0683	4078	Pass
Violet	A	AmCyan	162	57.60	503	1	0.0243	5882	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	59.82	47.84 - 71.76	N/A	N/A	-29.99	-29.65	1.17
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	18.74	12.80 - 19.20	N/A	N/A	27.84	28.14	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9506

Fluidics

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

Comments