

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:	03/15/2021 09:16 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	123376	-2	2.12	123540	2.15
Blue	F	SSC	125000	123350	-2	1.64	123945	1.63
Blue	E	FITC	20730	19973	-4	2.55	419	20.95
Blue	D	PE	37062	36694	-1	1.76	779	13.29
Blue	B	PE-Cy5	46445	45555	-2	3.73	1311	20.52
Blue	A	PE-Cy7	33824	32726	-4	5.52	727	30.02
Red	C	APC	57179	56579	-2	2.75	1831	13.41
Red	A	APC-Cy7	43213	42459	-2	2.87	1276	11.81
Violet	B	DAPI	11061	10799	-3	2.21	763	10.79
Violet	A	AmCyan	46201	45611	-2	1.86	1120	10.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13947	14.50	552	-13	N/A	N/A	Pass
Blue	F	SSC	57336	1.20	393	1	N/A	N/A	Pass
Blue	E	FITC	75	77.10	450	-2	0.0220	480	Pass
Blue	D	PE	159	48.01	490	-1	0.2369	362	Pass
Blue	B	PE-Cy5	246	52.17	619	-2	0.0089	138	Pass
Blue	A	PE-Cy7	142	72.55	633	-4	0.0181	18	Pass
Red	C	APC	411	28.51	675	0	0.0220	80	Pass
Red	A	APC-Cy7	273	28.65	524	-4	0.0052	1197	Pass
Violet	B	DAPI	103	58.97	441	-2	0.0689	3746	Pass
Violet	A	AmCyan	165	54.01	504	2	0.0291	6493	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	-29.81	-29.58	1.18
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	17.84	12.80 - 19.20	N/A	N/A	27.69	28.07	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9570

Fluidics

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

Comments