

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:	12/12/2022 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/10/2022 09:13 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	124585	-1	2.14	124718	2.14
Blue	F	SSC	125000	125210	0	2.06	125827	2.02
Blue	E	FITC	20683	20409	-2	2.69	428	20.45
Blue	D	PE	34454	33913	-2	1.92	721	13.98
Blue	B	PE-Cy5	48076	47038	-3	3.76	1371	20.61
Blue	A	PE-Cy7	34574	34164	-2	5.48	762	31.32
Red	C	APC	54895	54721	-1	2.73	1776	13.67
Red	A	APC-Cy7	41657	41499	-1	3.10	1264	12.41
Violet	B	DAPI	11284	10779	-5	4.40	699	12.62
Violet	A	AmCyan	44139	42992	-3	4.22	1054	12.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16577	14.13	562	-3	N/A	N/A	Pass
Blue	F	SSC	58064	1.92	397	-1	N/A	N/A	Pass
Blue	E	FITC	76	71.28	462	3	0.0211	298	Pass
Blue	D	PE	146	47.92	492	2	0.1822	247	Pass
Blue	B	PE-Cy5	251	51.45	631	2	0.0086	82	Pass
Blue	A	PE-Cy7	144	75.64	646	2	0.0163	11	Pass
Red	C	APC	394	30.52	683	12	0.0216	168	Pass
Red	A	APC-Cy7	268	30.65	534	9	0.0047	1471	Pass
Violet	B	DAPI	96	71.45	455	6	0.0873	6559	Pass
Violet	A	AmCyan	153	62.25	518	11	0.0211	6055	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	-30.93	-30.57	1.17
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.48
Red	15.19	12.72 - 19.08	N/A	N/A	28.62	29.02	1.29

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9811

Fluidics

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

Comments