

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:	10/18/2021 10:28 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	125760	0	2.16	125940	2.13
Blue	F	SSC	125000	125259	0	2.01	125940	2.01
Blue	E	FITC	20730	20090	-4	2.61	424	19.59
Blue	D	PE	37062	36571	-2	1.74	778	13.27
Blue	B	PE-Cy5	46445	45734	-2	3.77	1337	20.57
Blue	A	PE-Cy7	33824	33566	-1	5.65	731	31.62
Red	C	APC	57179	56843	-1	3.14	1842	13.66
Red	A	APC-Cy7	43213	42972	-1	3.01	1286	12.73
Violet	B	DAPI	11061	10394	-7	5.59	651	12.94
Violet	A	AmCyan	46201	43742	-6	5.38	1072	11.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17472	12.67	561	-4	N/A	N/A	Pass
Blue	F	SSC	57902	1.94	398	6	N/A	N/A	Pass
Blue	E	FITC	77	66.86	455	3	0.0227	250	Pass
Blue	D	PE	157	48.47	493	2	0.2379	365	Pass
Blue	B	PE-Cy5	239	51.61	625	4	0.0085	69	Pass
Blue	A	PE-Cy7	140	76.52	639	2	0.0165	14	Pass
Red	C	APC	411	29.84	685	10	0.0218	140	Pass
Red	A	APC-Cy7	272	30.80	535	7	0.0044	1064	Pass
Violet	B	DAPI	91	71.24	451	8	0.1088	7706	Pass
Violet	A	AmCyan	155	43.01	514	12	0.0268	2837	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	-29.72	-29.25	1.18
Blue	20.25	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	14.70	12.72 - 19.08	N/A	N/A	27.30	27.78	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9751

Fluidics

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

Comments