

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0
Date: 12/07/2021 11:30 AM
Cytometer Baseline: 01/07/2021 10:46 AM
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	125313	0	2.08	125410	2.12
Blue	F	SSC	125000	124137	-1	2.17	124869	2.13
Blue	E	FITC	20730	20000	-4	2.66	422	21.26
Blue	D	PE	37062	37045	-1	1.82	785	14.28
Blue	B	PE-Cy5	46445	45373	-3	3.85	1317	20.79
Blue	A	PE-Cy7	33824	32899	-3	5.63	711	32.81
Red	C	APC	57179	57299	0	2.53	1862	13.48
Red	A	APC-Cy7	43213	42517	-2	2.94	1258	12.63
Violet	B	DAPI	11061	10929	-2	2.13	687	11.74
Violet	A	AmCyan	46201	45523	-2	1.81	1117	11.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17542	13.09	565	0	N/A	N/A	Pass
Blue	F	SSC	57032	2.11	399	7	N/A	N/A	Pass
Blue	E	FITC	77	81.40	459	7	0.0232	689	Pass
Blue	D	PE	160	50.35	498	7	0.1870	307	Pass
Blue	B	PE-Cy5	237	54.77	628	7	0.0087	162	Pass
Blue	A	PE-Cy7	133	80.87	641	4	0.0154	15	Pass
Red	C	APC	415	29.75	686	11	0.0220	145	Pass
Red	A	APC-Cy7	267	30.83	535	7	0.0046	1179	Pass
Violet	B	DAPI	97	66.90	449	6	0.0848	5335	Pass
Violet	A	AmCyan	160	53.42	511	9	0.0242	4774	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	-29.87	-29.40	1.18
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	14.90	12.72 - 19.08	N/A	N/A	27.46	28.02	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9998

Fluidics

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

Comments