

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: 03/01/2021 09:07 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	124454	-1	1.90	124621	1.88
Blue	F	SSC	125000	121162	-4	1.41	121682	1.42
Blue	E	FITC	20730	20127	-3	2.43	422	20.19
Blue	D	PE	37062	36502	-2	1.68	776	13.32
Blue	B	PE-Cy5	46445	45212	-3	3.69	1305	19.80
Blue	A	PE-Cy7	33824	32655	-4	5.64	716	29.46
Red	C	APC	57179	56367	-2	2.68	1828	12.98
Red	A	APC-Cy7	43213	42416	-2	2.81	1264	11.55
Violet	B	DAPI	11061	10786	-3	2.24	732	10.99
Violet	A	AmCyan	46201	45698	-2	1.92	1120	11.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14400	13.70	552	-13	N/A	N/A	Pass
Blue	F	SSC	56366	1.10	390	-2	N/A	N/A	Pass
Blue	E	FITC	77	75.58	449	-3	0.0248	556	Pass
Blue	D	PE	159	46.60	488	-3	0.2163	294	Pass
Blue	B	PE-Cy5	244	50.65	616	-5	0.0096	145	Pass
Blue	A	PE-Cy7	139	74.13	631	-6	0.0196	33	Pass
Red	C	APC	409	27.56	670	-5	0.0236	76	Pass
Red	A	APC-Cy7	271	27.93	522	-6	0.0056	1157	Pass
Violet	B	DAPI	101	62.34	442	-1	0.0869	5284	Pass
Violet	A	AmCyan	162	54.68	504	2	0.0283	6210	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	-30.08	-29.72	1.16
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	17.92	12.80 - 19.20	N/A	N/A	27.85	28.24	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9582

Fluidics

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

Comments