

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: 05/17/2021 09:08 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	125740	0	2.03	125906	2.11
Blue	F	SSC	125000	123474	-2	1.30	123970	1.27
Blue	E	FITC	20730	20141	-3	2.34	421	19.34
Blue	D	PE	37062	36944	-1	1.64	780	12.77
Blue	B	PE-Cy5	46445	45738	-2	3.54	1316	19.26
Blue	A	PE-Cy7	33824	33367	-2	5.34	739	29.10
Red	C	APC	57179	56739	-1	2.67	1841	12.65
Red	A	APC-Cy7	43213	43049	-1	2.73	1281	11.91
Violet	B	DAPI	11061	10862	-2	2.10	738	10.67
Violet	A	AmCyan	46201	46204	0	1.67	1126	10.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14236	15.38	543	-22	N/A	N/A	Pass
Blue	F	SSC	57743	1.00	389	-3	N/A	N/A	Pass
Blue	E	FITC	76	68.20	444	-8	0.0244	306	Pass
Blue	D	PE	161	44.76	483	-8	0.2486	317	Pass
Blue	B	PE-Cy5	250	47.91	610	-11	0.0101	112	Pass
Blue	A	PE-Cy7	148	68.78	625	-12	0.0193	14	Pass
Red	C	APC	415	28.71	675	0	0.0267	258	Pass
Red	A	APC-Cy7	273	29.37	526	-2	0.0052	1352	Pass
Violet	B	DAPI	101	60.34	442	-1	0.0879	4855	Pass
Violet	A	AmCyan	163	51.57	505	3	0.0252	4564	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	-29.76	-29.37	1.18
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.53
Red	16.32	12.80 - 19.20	N/A	N/A	27.54	27.84	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9593

Fluidics

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

Comments