

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: 05/10/2021 09:03 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	124979	-1	1.82	125080	1.80
Blue	F	SSC	125000	124356	-1	1.43	124895	1.46
Blue	E	FITC	20730	20187	-3	2.41	423	20.27
Blue	D	PE	37062	37103	0	1.71	786	12.93
Blue	B	PE-Cy5	46445	45675	-2	3.74	1312	19.29
Blue	A	PE-Cy7	33824	33040	-3	5.46	722	29.40
Red	C	APC	57179	56470	-2	2.69	1832	13.00
Red	A	APC-Cy7	43213	42361	-2	2.70	1257	11.74
Violet	B	DAPI	11061	10805	-3	2.20	709	11.14
Violet	A	AmCyan	46201	46055	-1	1.75	1121	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	14763	12.52	547	-18	N/A	N/A	Pass
Blue	F	SSC	57977	1.09	391	-1	N/A	N/A	Pass
Blue	E	FITC	77	75.58	447	-5	0.0246	557	Pass
Blue	D	PE	160	46.60	486	-5	0.2480	345	Pass
Blue	B	PE-Cy5	245	50.65	614	-7	0.0104	200	Pass
Blue	A	PE-Cy7	141	71.74	628	-9	0.0194	21	Pass
Red	C	APC	410	28.31	673	-2	0.0240	132	Pass
Red	A	APC-Cy7	269	29.21	524	-4	0.0055	1519	Pass
Violet	B	DAPI	97	65.09	441	-2	0.0940	5723	Pass
Violet	A	AmCyan	162	55.19	503	1	0.0269	5867	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	-29.75	-29.46	1.19
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	16.74	12.80 - 19.20	N/A	N/A	27.59	27.87	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9504

Fluidics

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

Comments