

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: 02/01/2021 09:18 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	123596	-2	1.82	123956	1.80
Blue	F	SSC	125000	122746	-2	1.57	123261	1.51
Blue	E	FITC	20730	20012	-4	2.45	417	19.34
Blue	D	PE	37062	36127	-3	1.74	763	12.94
Blue	B	PE-Cy5	46445	45262	-3	3.63	1309	19.20
Blue	A	PE-Cy7	33824	32549	-4	5.56	734	29.04
Red	C	APC	57179	57331	0	2.72	1863	13.11
Red	A	APC-Cy7	43213	42592	-2	2.82	1297	11.90
Violet	B	DAPI	11061	10782	-3	2.12	754	10.31
Violet	A	AmCyan	46201	46092	-1	1.78	1125	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14164	12.46	545	-20	N/A	N/A	Pass
Blue	F	SSC	57229	1.19	388	-4	N/A	N/A	Pass
Blue	E	FITC	75	71.16	445	-7	0.0262	429	Pass
Blue	D	PE	155	46.06	484	-7	0.2428	318	Pass
Blue	B	PE-Cy5	246	48.21	612	-9	0.0102	120	Pass
Blue	A	PE-Cy7	142	70.98	627	-10	0.0192	20	Pass
Red	C	APC	419	27.97	673	-2	0.0232	94	Pass
Red	A	APC-Cy7	279	27.97	522	-6	0.0049	816	Pass
Violet	B	DAPI	103	56.64	439	-4	0.0836	4171	Pass
Violet	A	AmCyan	160	49.42	502	0	0.0317	5221	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	-30.26	-29.79	1.17
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.51
Red	18.12	12.80 - 19.20	N/A	N/A	27.71	28.19	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9552

Fluidics

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

Comments