

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: 02/15/2021 09:15 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	124018	-1	1.99	124129	2.00
Blue	F	SSC	125000	122752	-2	1.93	123443	1.89
Blue	E	FITC	20730	20036	-4	2.57	423	19.20
Blue	D	PE	37062	36487	-2	1.87	776	13.08
Blue	B	PE-Cy5	46445	45336	-3	3.63	1315	19.39
Blue	A	PE-Cy7	33824	32777	-4	5.41	713	30.03
Red	C	APC	57179	57231	0	2.84	1856	13.10
Red	A	APC-Cy7	43213	42690	-2	2.80	1255	12.08
Violet	B	DAPI	11061	10693	-4	2.51	672	11.97
Violet	A	AmCyan	46201	45628	-2	2.29	1118	9.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15372	12.68	552	-13	N/A	N/A	Pass
Blue	F	SSC	56396	1.49	390	-2	N/A	N/A	Pass
Blue	E	FITC	77	66.86	448	-4	0.0246	304	Pass
Blue	D	PE	158	45.62	487	-4	0.2231	282	Pass
Blue	B	PE-Cy5	240	49.73	617	-4	0.0099	125	Pass
Blue	A	PE-Cy7	140	72.52	632	-5	0.0185	17	Pass
Red	C	APC	415	28.06	674	-1	0.0234	101	Pass
Red	A	APC-Cy7	267	29.80	527	-1	0.0051	1327	Pass
Violet	B	DAPI	92	66.72	443	0	0.0666	3785	Pass
Violet	A	AmCyan	159	42.97	504	2	0.0289	3137	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	-29.97	-29.69	1.16
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	17.43	12.80 - 19.20	N/A	N/A	27.83	28.12	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9606

Fluidics

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

Comments