

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 07/13/2020 09:22 AM
Cytometer Baseline: 06/24/2019 09:23 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019 (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	125056	0	1.41	125187	1.40
Blue	F	SSC	125000	124436	-1	1.68	125372	1.61
Blue	E	FITC	19687	18989	-4	2.38	489	16.78
Blue	D	PE	35036	34262	-3	1.74	771	12.13
Blue	B	PE-Cy5	53922	52980	-2	3.27	1497	17.83
Blue	A	PE-Cy7	41443	40660	-2	4.93	935	26.34
Red	C	APC	64207	63454	-2	2.47	1806	12.98
Red	A	APC-Cy7	48785	47821	-2	2.47	1454	11.25
Violet	B	DAPI	11947	11604	-3	2.62	779	10.28
Violet	A	AmCyan	48649	48150	-2	2.34	1503	8.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16091	8.73	539	-21	N/A	N/A	Pass
Blue	F	SSC	57708	1.24	384	-12	N/A	N/A	Pass
Blue	E	FITC	76	65.23	439	-9	0.0276	288	Pass
Blue	D	PE	153	44.48	476	-9	0.2685	346	Pass
Blue	B	PE-Cy5	230	50.41	609	-11	0.0108	130	Pass
Blue	A	PE-Cy7	133	73.28	626	-13	0.0198	9	Pass
Red	C	APC	353	30.66	669	-9	0.0236	126	Pass
Red	A	APC-Cy7	206	35.39	522	-8	0.0049	1272	Pass
Violet	B	DAPI	94	63.81	439	-11	0.0870	4384	Pass
Violet	A	AmCyan	166	41.60	497	-8	0.0340	3714	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	-29.59	-29.30	1.20
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.54
Red	15.75	12.80 - 19.20	N/A	N/A	27.54	27.80	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9783

Fluidics

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

Comments