

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: 06/02/2020 09:20 AM
Cytometer Baseline: 06/24/2019 09:23 AM
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	122992	-2	2.16	123131	2.21
Blue	F	SSC	125000	123347	-2	1.48	124204	1.46
Blue	E	FITC	19687	18846	-5	2.55	483	16.84
Blue	D	PE	35036	33795	-4	1.89	756	12.55
Blue	B	PE-Cy5	53922	52161	-4	3.59	1474	17.79
Blue	A	PE-Cy7	41443	40200	-3	5.56	940	25.71
Red	C	APC	64207	64757	0	2.42	1838	12.82
Red	A	APC-Cy7	48785	47872	-2	2.79	1509	10.66
Violet	B	DAPI	11947	11553	-4	2.48	790	10.45
Violet	A	AmCyan	48649	48045	-2	2.20	1491	9.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16098	9.53	535	-25	N/A	N/A	Pass
Blue	F	SSC	57743	1.17	384	-12	N/A	N/A	Pass
Blue	E	FITC	74	69.59	438	-10	0.0296	419	Pass
Blue	D	PE	147	45.85	474	-11	0.2370	297	Pass
Blue	B	PE-Cy5	227	51.74	607	-13	0.0111	183	Pass
Blue	A	PE-Cy7	135	73.30	625	-14	0.0211	20	Pass
Red	C	APC	360	29.98	668	-10	0.0242	111	Pass
Red	A	APC-Cy7	213	33.15	521	-9	0.0055	1278	Pass
Violet	B	DAPI	98	67.88	439	-11	0.1121	7398	Pass
Violet	A	AmCyan	164	57.60	497	-8	0.0383	9689	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	-30.11	-29.63	1.18
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	17.59	12.80 - 19.20	N/A	N/A	27.49	28.03	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9573

Fluidics

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

Comments