

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: 02/24/2020 09:31 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	125068	0	2.04	125103	2.03
Blue	F	SSC	125000	125399	0	1.97	126335	1.95
Blue	E	FITC	19687	19204	-3	2.35	495	16.02
Blue	D	PE	35036	34697	-1	1.69	779	11.92
Blue	B	PE-Cy5	53922	53424	-1	3.51	1519	17.30
Blue	A	PE-Cy7	41443	41131	-1	5.52	955	25.62
Red	C	APC	64207	64088	-1	2.32	1826	12.75
Red	A	APC-Cy7	48785	47267	-4	3.14	1467	11.20
Violet	B	DAPI	11947	11594	-3	3.30	784	9.75
Violet	A	AmCyan	48649	48089	-2	3.27	1498	7.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18030	10.22	540	-20	N/A	N/A	Pass
Blue	F	SSC	58712	1.85	385	-11	N/A	N/A	Pass
Blue	E	FITC	76	62.27	439	-9	0.0299	225	Pass
Blue	D	PE	154	44.04	476	-9	0.2805	347	Pass
Blue	B	PE-Cy5	235	47.17	609	-11	0.0113	82	Pass
Blue	A	PE-Cy7	142	71.74	628	-11	0.0214	21	Pass
Red	C	APC	357	29.54	667	-11	0.0242	91	Pass
Red	A	APC-Cy7	209	33.57	521	-9	0.0050	982	Pass
Violet	B	DAPI	96	61.47	440	-10	0.1410	6910	Pass
Violet	A	AmCyan	165	35.10	497	-8	0.0388	2505	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	-30.15	-29.75	1.17
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.53
Red	17.47	12.80 - 19.20	N/A	N/A	27.77	28.16	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9854

Fluidics

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

Comments