

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: 10/21/2019 09:55 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	125426	0	1.54	125503	1.52
Blue	F	SSC	125000	123180	-2	1.45	124083	1.45
Blue	E	FITC	19687	19154	-3	2.53	495	16.47
Blue	D	PE	35036	34891	-1	1.84	787	12.09
Blue	B	PE-Cy5	53922	52824	-3	4.03	1478	19.16
Blue	A	PE-Cy7	41443	40263	-3	6.35	906	27.75
Red	C	APC	64207	63565	-1	3.71	1795	13.78
Red	A	APC-Cy7	48785	48325	-1	3.32	1454	12.73
Violet	B	DAPI	11947	11726	-2	2.44	779	10.30
Violet	A	AmCyan	48649	48324	-1	2.09	1504	7.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15910	8.04	543	-17	N/A	N/A	Pass
Blue	F	SSC	56823	1.13	389	-7	N/A	N/A	Pass
Blue	E	FITC	77	61.05	442	-6	0.0272	175	Pass
Blue	D	PE	155	45.06	480	-5	0.2791	376	Pass
Blue	B	PE-Cy5	229	50.41	613	-7	0.0092	34	Pass
Blue	A	PE-Cy7	131	75.85	630	-9	0.0185	8	Pass
Red	C	APC	347	32.01	675	-3	0.0216	104	Pass
Red	A	APC-Cy7	202	36.58	527	-3	0.0037	397	Pass
Violet	B	DAPI	96	63.01	439	-11	0.0847	4175	Pass
Violet	A	AmCyan	164	40.04	495	-10	0.0400	3892	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	-29.52	-29.23	1.20
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	15.23	12.00 - 18.00	N/A	N/A	27.33	27.60	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10565

Fluidics

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

Comments