

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: 11/12/2019 02:34 PM
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	124046	-1	1.58	124086	1.52
Blue	F	SSC	125000	122966	-2	1.49	123693	1.40
Blue	E	FITC	19687	19156	-3	2.46	493	16.98
Blue	D	PE	35036	34141	-3	1.70	764	12.75
Blue	B	PE-Cy5	53922	52861	-2	3.73	1493	18.21
Blue	A	PE-Cy7	41443	39971	-4	5.88	924	27.20
Red	C	APC	64207	63864	-1	3.04	1803	13.41
Red	A	APC-Cy7	48785	48226	-2	3.15	1513	12.51
Violet	B	DAPI	11947	11630	-3	2.17	821	10.04
Violet	A	AmCyan	48649	47762	-2	1.67	1485	8.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14872	9.78	536	-24	N/A	N/A	Pass
Blue	F	SSC	57468	1.06	388	-8	N/A	N/A	Pass
Blue	E	FITC	76	71.16	440	-8	0.0294	494	Pass
Blue	D	PE	151	44.93	478	-7	0.2134	252	Pass
Blue	B	PE-Cy5	232	50.72	611	-9	0.0104	121	Pass
Blue	A	PE-Cy7	131	75.85	629	-10	0.0187	10	Pass
Red	C	APC	349	32.33	677	-1	0.0229	166	Pass
Red	A	APC-Cy7	210	36.14	528	-2	0.0037	468	Pass
Violet	B	DAPI	101	60.01	437	-13	0.0754	3774	Pass
Violet	A	AmCyan	166	44.05	494	-11	0.0364	4854	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	-29.38	-29.20	1.21
Blue	20.24	16.21 - 24.31	1.45	1.14 - 1.70	0.00	0.00	1.53
Red	16.18	12.80 - 19.20	N/A	N/A	27.37	27.59	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9522

Fluidics

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

Comments