

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: 12/17/2018 10:16 AM
Cytometer Baseline: 12/17/2018 10:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	123856	-1	1.78	123915	1.78
Blue	F	SSC	125000	125103	0	3.05	126032	3.06
Blue	E	FITC	19383	18938	-3	2.74	484	16.84
Blue	D	PE	36216	35989	-1	2.17	810	12.03
Blue	B	PE-Cy5	55140	53542	-3	3.51	1519	18.05
Blue	A	PE-Cy7	42167	41017	-3	4.84	944	26.39
Red	C	APC	67610	67231	-1	2.34	1914	12.95
Red	A	APC-Cy7	50926	50110	-2	2.96	1534	11.53
Violet	B	DAPI	12515	12137	-4	2.16	787	10.16
Violet	A	AmCyan	46312	45755	-2	1.82	1424	7.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18521	10.21	539	-3	N/A	N/A	Pass
Blue	F	SSC	58086	3.23	382	-3	N/A	N/A	Pass
Blue	E	FITC	76	71.16	438	-1	0.0318	576	Pass
Blue	D	PE	158	44.19	479	0	0.2722	325	Pass
Blue	B	PE-Cy5	238	49.42	610	-2	0.0104	98	Pass
Blue	A	PE-Cy7	140	72.52	628	-2	0.0198	12	Pass
Red	C	APC	371	31.24	676	1	0.0239	157	Pass
Red	A	APC-Cy7	217	34.35	528	0	0.0046	803	Pass
Violet	B	DAPI	96	61.93	441	-2	0.0842	3693	Pass
Violet	A	AmCyan	155	38.52	489	-1	0.0324	2595	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	59.80	47.84 - 71.76	N/A	N/A	-29.57	-29.46	1.23
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	15.04	12.00 - 18.00	N/A	N/A	27.54	27.80	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9608

Fluidics

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

Comments