

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: 05/06/2019 10:14 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	124346	-1	1.67	124386	1.71
Blue	F	SSC	125000	123004	-2	2.16	123754	2.21
Blue	E	FITC	19383	18881	-3	2.74	488	17.14
Blue	D	PE	36216	36015	-1	2.01	808	12.31
Blue	B	PE-Cy5	55140	53800	-3	3.43	1519	18.01
Blue	A	PE-Cy7	42167	41487	-2	4.81	977	26.14
Red	C	APC	67610	67563	-1	2.63	1935	13.31
Red	A	APC-Cy7	50926	50474	-1	3.60	1583	11.30
Violet	B	DAPI	12515	12100	-4	2.60	875	10.10
Violet	A	AmCyan	46312	45798	-2	2.16	1423	8.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15993	5.92	539	-3	N/A	N/A	Pass
Blue	F	SSC	57436	1.74	389	4	N/A	N/A	Pass
Blue	E	FITC	73	67.95	439	0	0.0259	257	Pass
Blue	D	PE	158	44.19	481	2	0.2410	275	Pass
Blue	B	PE-Cy5	237	49.42	611	-1	0.0105	97	Pass
Blue	A	PE-Cy7	144	71.79	630	0	0.0197	11	Pass
Red	C	APC	379	31.10	681	6	0.0221	110	Pass
Red	A	APC-Cy7	225	34.01	528	0	0.0050	1174	Pass
Violet	B	DAPI	107	58.97	446	3	0.0686	3350	Pass
Violet	A	AmCyan	158	42.20	498	8	0.0327	3647	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	-29.60	-29.31	1.22
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.53
Red	13.98	12.00 - 18.00	N/A	N/A	27.48	27.80	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9904

Fluidics

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

Comments