

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: 09/20/2018 09:37 AM
Cytometer Baseline: 06/11/2018 02:56 PM
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	122565	-2	2.26	122549	2.30
Blue	F	SSC	125000	119263	-5	3.57	120291	3.66
Blue	E	FITC	19423	18741	-4	3.27	509	16.33
Blue	D	PE	36173	35687	-2	2.90	955	11.53
Blue	B	PE-Cy5	57286	55155	-4	3.65	1326	17.45
Blue	A	PE-Cy7	42868	41322	-4	5.45	607	27.36
Red	C	APC	68148	68011	-1	2.23	2153	11.42
Red	A	APC-Cy7	46946	45813	-3	4.00	918	11.44
Violet	B	DAPI	12571	11976	-5	2.97	832	10.53
Violet	A	AmCyan	45518	44645	-2	2.74	1284	8.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17391	4.51	537	-5	N/A	N/A	Pass
Blue	F	SSC	55121	3.57	382	-3	N/A	N/A	Pass
Blue	E	FITC	75	62.27	441	-1	0.0265	173	Pass
Blue	D	PE	163	45.30	485	3	0.2368	326	Pass
Blue	B	PE-Cy5	201	47.93	595	-24	0.0132	48	Pass
Blue	A	PE-Cy7	98	75.27	599	-37	0.0300	10	Pass
Red	C	APC	446	25.30	659	-16	0.0281	110	Pass
Red	A	APC-Cy7	159	32.39	489	-32	0.0084	946	Pass
Violet	B	DAPI	104	64.54	445	4	0.0908	5536	Pass
Violet	A	AmCyan	156	36.19	492	5	0.0304	2071	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	-29.65	-29.30	1.23
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	14.90	14.86 - 22.30	N/A	N/A	27.12	27.57	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10967

Fluidics

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

Comments