

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: 12/11/2018 09:16 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	124170	-1	1.72	124257	1.73
Blue	F	SSC	125000	123515	-2	2.72	124322	2.67
Blue	E	FITC	19423	18906	-3	2.94	485	17.14
Blue	D	PE	36173	35871	-1	2.42	803	12.33
Blue	B	PE-Cy5	57286	56119	-3	3.50	1599	18.16
Blue	A	PE-Cy7	42868	42260	-2	4.85	1019	25.63
Red	C	APC	68148	67591	-1	2.46	1922	12.99
Red	A	APC-Cy7	46946	45854	-3	2.84	1490	10.82
Violet	B	DAPI	12571	12144	-4	2.78	825	10.56
Violet	A	AmCyan	45518	44584	-3	2.80	1378	8.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16975	5.24	540	-2	N/A	N/A	Pass
Blue	F	SSC	57503	2.44	382	-3	N/A	N/A	Pass
Blue	E	FITC	74	66.57	440	-2	0.0261	248	Pass
Blue	D	PE	159	45.18	481	-1	0.2677	348	Pass
Blue	B	PE-Cy5	252	50.02	617	-2	0.0102	113	Pass
Blue	A	PE-Cy7	153	70.46	637	1	0.0202	16	Pass
Red	C	APC	375	29.86	671	-4	0.0232	73	Pass
Red	A	APC-Cy7	213	32.23	519	-2	0.0050	949	Pass
Violet	B	DAPI	104	61.05	441	0	0.0704	3476	Pass
Violet	A	AmCyan	151	39.46	488	1	0.0319	2747	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	-29.89	-29.67	1.22
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	17.53	12.00 - 18.00	N/A	N/A	27.59	28.00	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10883

Fluidics

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

Comments