

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: 07/01/2019 10:20 AM
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
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	124775	-1	2.11	124832	2.08
Blue	F	SSC	125000	124847	-1	2.07	125739	2.04
Blue	E	FITC	19687	19259	-3	2.58	490	17.66
Blue	D	PE	35036	34811	-1	1.81	781	12.84
Blue	B	PE-Cy5	53922	53001	-2	3.67	1491	19.11
Blue	A	PE-Cy7	41443	40195	-4	5.64	908	27.85
Red	C	APC	64207	64259	0	2.62	1822	13.76
Red	A	APC-Cy7	48785	47791	-3	3.57	1459	12.13
Violet	B	DAPI	11947	11526	-4	4.54	763	11.74
Violet	A	AmCyan	48649	47473	-3	4.28	1473	8.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18223	10.35	557	-3	N/A	N/A	Pass
Blue	F	SSC	58146	1.97	396	0	N/A	N/A	Pass
Blue	E	FITC	76	71.16	448	0	0.0263	417	Pass
Blue	D	PE	153	47.44	486	1	0.2331	339	Pass
Blue	B	PE-Cy5	229	53.73	621	1	0.0094	121	Pass
Blue	A	PE-Cy7	130	80.23	638	-1	0.0184	22	Pass
Red	C	APC	355	32.45	682	4	0.0208	115	Pass
Red	A	APC-Cy7	206	36.58	532	2	0.0043	1032	Pass
Violet	B	DAPI	94	67.39	448	-2	0.0675	3867	Pass
Violet	A	AmCyan	160	41.06	504	-1	0.0324	3059	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	-29.04	-28.79	1.23
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.54
Red	14.57	12.00 - 18.00	N/A	N/A	26.95	27.27	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9850

Fluidics

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

Comments