

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: 11/25/2019 09:23 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 (Expired)
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	125538	0	1.76	125619	1.78
Blue	F	SSC	125000	125324	0	1.76	126246	1.75
Blue	E	FITC	19687	19094	-4	2.36	491	16.07
Blue	D	PE	35036	34689	-1	1.66	778	11.87
Blue	B	PE-Cy5	53922	52469	-3	3.57	1479	17.37
Blue	A	PE-Cy7	41443	40739	-2	6.15	936	25.75
Red	C	APC	64207	64063	-1	3.16	1813	13.30
Red	A	APC-Cy7	48785	47512	-3	3.97	1456	10.95
Violet	B	DAPI	11947	11573	-4	3.13	784	10.54
Violet	A	AmCyan	48649	48128	-2	3.04	1497	7.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17295	8.59	539	-21	N/A	N/A	Pass
Blue	F	SSC	58697	1.46	385	-11	N/A	N/A	Pass
Blue	E	FITC	76	65.23	438	-10	0.0317	345	Pass
Blue	D	PE	153	44.04	476	-9	0.2832	347	Pass
Blue	B	PE-Cy5	229	48.11	607	-13	0.0114	106	Pass
Blue	A	PE-Cy7	135	71.63	625	-14	0.0214	13	Pass
Red	C	APC	352	30.86	669	-9	0.0229	101	Pass
Red	A	APC-Cy7	205	34.00	520	-10	0.0058	1572	Pass
Violet	B	DAPI	97	59.67	439	-11	0.0667	2924	Pass
Violet	A	AmCyan	167	35.75	496	-9	0.0356	2444	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	-29.98	-29.70	1.19
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	18.23	12.80 - 19.20	N/A	N/A	27.73	28.06	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10096

Fluidics

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

Comments