

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: 04/15/2019 09:12 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	124702	-1	1.52	124775	1.48
Blue	F	SSC	125000	125474	0	2.57	126257	2.53
Blue	E	FITC	19383	18983	-3	2.88	488	18.36
Blue	D	PE	36216	35567	-2	2.25	797	12.92
Blue	B	PE-Cy5	55140	54234	-2	3.60	1529	19.05
Blue	A	PE-Cy7	42167	41064	-3	5.08	944	27.04
Red	C	APC	67610	66820	-2	2.59	1909	13.16
Red	A	APC-Cy7	50926	50220	-2	3.30	1537	11.15
Violet	B	DAPI	12515	12192	-3	2.59	864	11.53
Violet	A	AmCyan	46312	45749	-2	2.50	1426	8.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17124	5.93	550	8	N/A	N/A	Pass
Blue	F	SSC	58532	2.29	392	7	N/A	N/A	Pass
Blue	E	FITC	74	75.64	444	5	0.0240	429	Pass
Blue	D	PE	158	46.60	485	6	0.2272	312	Pass
Blue	B	PE-Cy5	237	52.88	617	5	0.0094	109	Pass
Blue	A	PE-Cy7	139	75.74	635	5	0.0190	16	Pass
Red	C	APC	374	30.69	674	-1	0.0227	106	Pass
Red	A	APC-Cy7	220	33.53	523	-5	0.0052	1089	Pass
Violet	B	DAPI	107	62.34	446	3	0.0414	2155	Pass
Violet	A	AmCyan	157	49.42	496	6	0.0309	5236	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	-30.12	-29.78	1.22
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.51
Red	16.17	12.00 - 18.00	N/A	N/A	27.71	28.21	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9631

Fluidics

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

Comments