

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: 04/08/2019 09:08 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	125137	0	1.38	125230	1.39
Blue	F	SSC	125000	123076	-2	2.47	123839	2.46
Blue	E	FITC	19383	18792	-4	2.90	486	17.09
Blue	D	PE	36216	36075	-1	2.12	809	12.77
Blue	B	PE-Cy5	55140	54274	-2	3.51	1533	17.87
Blue	A	PE-Cy7	42167	41108	-3	4.87	952	26.16
Red	C	APC	67610	67320	-1	2.81	1928	12.98
Red	A	APC-Cy7	50926	50126	-2	3.66	1540	11.42
Violet	B	DAPI	12515	12248	-3	2.60	868	12.56
Violet	A	AmCyan	46312	45918	-1	2.89	1433	8.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17248	6.78	543	1	N/A	N/A	Pass
Blue	F	SSC	57289	2.30	389	4	N/A	N/A	Pass
Blue	E	FITC	74	72.62	439	0	0.0294	508	Pass
Blue	D	PE	159	45.18	481	2	0.2159	256	Pass
Blue	B	PE-Cy5	242	50.96	612	0	0.0109	176	Pass
Blue	A	PE-Cy7	142	72.55	630	0	0.0201	16	Pass
Red	C	APC	377	30.07	674	-1	0.0236	100	Pass
Red	A	APC-Cy7	220	33.74	523	-5	0.0049	953	Pass
Violet	B	DAPI	107	60.65	445	2	0.0275	1181	Pass
Violet	A	AmCyan	158	47.12	495	5	0.0352	5385	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	1.23
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	16.62	12.00 - 18.00	N/A	N/A	27.66	28.10	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10058

Fluidics

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

Comments