

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: 03/04/2019 09:14 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	123857	-1	1.66	123904	1.65
Blue	F	SSC	125000	123831	-1	2.30	124612	2.29
Blue	E	FITC	19383	18558	-5	2.62	480	16.84
Blue	D	PE	36216	35089	-4	2.02	785	11.73
Blue	B	PE-Cy5	55140	53217	-4	3.30	1508	17.23
Blue	A	PE-Cy7	42167	40947	-3	4.56	952	25.26
Red	C	APC	67610	67581	-1	2.38	1941	12.51
Red	A	APC-Cy7	50926	49577	-3	3.14	1534	10.85
Violet	B	DAPI	12515	12193	-3	2.25	891	9.47
Violet	A	AmCyan	46312	45763	-2	1.84	1417	8.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15300	5.23	528	-14	N/A	N/A	Pass
Blue	F	SSC	57833	1.79	386	1	N/A	N/A	Pass
Blue	E	FITC	72	67.95	434	-5	0.0276	299	Pass
Blue	D	PE	154	43.61	475	-4	0.2994	345	Pass
Blue	B	PE-Cy5	238	47.22	604	-8	0.0115	102	Pass
Blue	A	PE-Cy7	142	69.40	622	-8	0.0214	12	Pass
Red	C	APC	380	30.37	671	-4	0.0260	194	Pass
Red	A	APC-Cy7	220	31.96	519	-9	0.0053	844	Pass
Violet	B	DAPI	110	58.65	441	-2	0.1030	5463	Pass
Violet	A	AmCyan	158	52.06	492	2	0.0328	6537	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	-29.88	-29.69	1.21
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.52
Red	17.53	12.00 - 18.00	N/A	N/A	27.75	28.10	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9823

Fluidics

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

Comments