

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: 02/25/2019 09:27 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	124302	-1	1.56	124396	1.50
Blue	F	SSC	125000	123314	-2	2.04	124123	1.92
Blue	E	FITC	19383	19039	-2	2.57	493	18.25
Blue	D	PE	36216	35870	-1	1.95	803	12.33
Blue	B	PE-Cy5	55140	54925	-1	3.37	1552	18.28
Blue	A	PE-Cy7	42167	41767	-1	4.78	961	25.76
Red	C	APC	67610	67231	-1	2.32	1929	12.71
Red	A	APC-Cy7	50926	49794	-3	2.94	1531	11.05
Violet	B	DAPI	12515	12102	-4	2.18	868	9.71
Violet	A	AmCyan	46312	45926	-1	1.76	1427	9.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15585	5.13	535	-7	N/A	N/A	Pass
Blue	F	SSC	57473	1.56	389	4	N/A	N/A	Pass
Blue	E	FITC	72	83.40	438	-1	0.0271	728	Pass
Blue	D	PE	157	45.62	479	0	0.2595	336	Pass
Blue	B	PE-Cy5	239	54.42	610	-2	0.0105	228	Pass
Blue	A	PE-Cy7	142	72.55	628	-2	0.0210	20	Pass
Red	C	APC	376	29.96	671	-4	0.0245	123	Pass
Red	A	APC-Cy7	220	31.77	520	-8	0.0050	551	Pass
Violet	B	DAPI	108	60.95	441	-2	0.1094	6335	Pass
Violet	A	AmCyan	157	59.30	492	2	0.0310	8213	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	-29.86	-29.59	1.21
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	17.53	12.00 - 18.00	N/A	N/A	27.78	28.02	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10477

Fluidics

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

Comments