

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: 06/03/2019 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	124796	-1	1.40	124881	1.37
Blue	F	SSC	125000	125375	0	2.01	126337	2.01
Blue	E	FITC	19383	18752	-4	2.57	483	17.72
Blue	D	PE	36216	36242	0	1.83	816	12.70
Blue	B	PE-Cy5	55140	54138	-2	3.45	1538	18.46
Blue	A	PE-Cy7	42167	41349	-2	5.22	945	27.41
Red	C	APC	67610	67526	-1	2.40	1925	12.91
Red	A	APC-Cy7	50926	50108	-2	3.19	1534	11.36
Violet	B	DAPI	12515	12142	-3	2.21	809	11.01
Violet	A	AmCyan	46312	45760	-2	1.85	1429	8.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18075	7.97	551	9	N/A	N/A	Pass
Blue	F	SSC	58400	1.84	392	7	N/A	N/A	Pass
Blue	E	FITC	74	75.64	443	4	0.0276	565	Pass
Blue	D	PE	161	47.56	485	6	0.2495	376	Pass
Blue	B	PE-Cy5	238	52.88	617	5	0.0101	162	Pass
Blue	A	PE-Cy7	139	75.74	636	6	0.0185	13	Pass
Red	C	APC	374	30.28	676	1	0.0237	108	Pass
Red	A	APC-Cy7	217	34.14	526	-2	0.0049	967	Pass
Violet	B	DAPI	101	66.09	447	4	0.0667	3836	Pass
Violet	A	AmCyan	157	46.33	496	6	0.0327	4668	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	-29.89	-29.49	1.23
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	15.47	12.00 - 18.00	N/A	N/A	27.53	27.93	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9548

Fluidics

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

Comments