

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: 01/14/2019 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	125261	0	1.74	125328	1.71
Blue	F	SSC	125000	122848	-2	3.06	123805	2.99
Blue	E	FITC	19383	18882	-3	2.91	485	16.91
Blue	D	PE	36216	35491	-3	2.40	796	12.14
Blue	B	PE-Cy5	55140	53168	-4	3.36	1507	17.62
Blue	A	PE-Cy7	42167	40968	-3	4.74	948	24.91
Red	C	APC	67610	66983	-1	2.27	1919	12.24
Red	A	APC-Cy7	50926	49305	-4	2.91	1512	10.87
Violet	B	DAPI	12515	12018	-4	2.49	798	10.22
Violet	A	AmCyan	46312	45163	-3	2.19	1408	8.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18419	8.96	535	-7	N/A	N/A	Pass
Blue	F	SSC	57257	3.18	390	5	N/A	N/A	Pass
Blue	E	FITC	75	77.10	435	-4	0.0362	933	Pass
Blue	D	PE	157	44.19	476	-3	0.2708	326	Pass
Blue	B	PE-Cy5	235	48.78	605	-7	0.0110	107	Pass
Blue	A	PE-Cy7	141	70.14	623	-7	0.0225	20	Pass
Red	C	APC	374	29.23	669	-6	0.0270	156	Pass
Red	A	APC-Cy7	216	32.54	521	-7	0.0053	907	Pass
Violet	B	DAPI	100	63.28	441	-2	0.0998	5225	Pass
Violet	A	AmCyan	155	46.70	489	-1	0.0319	4631	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	-29.91	-29.73	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	17.73	12.00 - 18.00	N/A	N/A	27.72	28.11	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9567

Fluidics

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

Comments