

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: 12/14/2020 09:11 AM
Cytometer Baseline: 06/24/2019 09:23 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019 (Expired)
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	126357	1	1.77	126463	1.77
Blue	F	SSC	125000	124409	-1	2.17	125230	2.11
Blue	E	FITC	19687	19141	-3	2.57	496	16.83
Blue	D	PE	35036	34897	-1	1.90	785	12.07
Blue	B	PE-Cy5	53922	54004	0	3.45	1528	18.53
Blue	A	PE-Cy7	41443	41092	-1	5.08	942	26.59
Red	C	APC	64207	64112	-1	2.40	1829	12.77
Red	A	APC-Cy7	48785	47687	-3	2.70	1468	10.91
Violet	B	DAPI	11947	11521	-4	3.73	795	10.61
Violet	A	AmCyan	48649	47874	-2	3.70	1495	9.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16849	10.81	551	-9	N/A	N/A	Pass
Blue	F	SSC	58326	2.00	388	-8	N/A	N/A	Pass
Blue	E	FITC	76	65.23	445	-3	0.0266	245	Pass
Blue	D	PE	155	45.06	482	-3	0.2825	377	Pass
Blue	B	PE-Cy5	237	50.37	617	-3	0.0098	79	Pass
Blue	A	PE-Cy7	135	74.96	634	-5	0.0197	15	Pass
Red	C	APC	358	29.43	669	-9	0.0241	85	Pass
Red	A	APC-Cy7	209	32.64	520	-10	0.0052	841	Pass
Violet	B	DAPI	99	62.06	445	-5	0.0857	4615	Pass
Violet	A	AmCyan	168	49.08	506	1	0.0331	5837	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	-30.30	-29.89	1.16
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	16.08	12.80 - 19.20	N/A	N/A	28.05	28.36	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9721

Fluidics

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

Comments