

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: 05/25/2020 09:19 AM
Cytometer Baseline: 06/24/2019 09:23 AM
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	125371	0	2.08	125475	2.03
Blue	F	SSC	125000	125815	0	1.70	126777	1.70
Blue	E	FITC	19687	19244	-3	2.38	494	17.44
Blue	D	PE	35036	34333	-3	1.70	770	12.38
Blue	B	PE-Cy5	53922	53082	-2	3.60	1503	17.97
Blue	A	PE-Cy7	41443	40683	-2	5.39	940	26.32
Red	C	APC	64207	63936	-1	2.40	1812	12.64
Red	A	APC-Cy7	48785	47393	-3	2.86	1469	10.93
Violet	B	DAPI	11947	11590	-3	3.29	783	11.06
Violet	A	AmCyan	48649	47666	-3	3.18	1485	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17926	10.69	544	-16	N/A	N/A	Pass
Blue	F	SSC	58694	1.53	386	-10	N/A	N/A	Pass
Blue	E	FITC	76	74.13	441	-7	0.0285	562	Pass
Blue	D	PE	151	46.42	477	-8	0.2634	368	Pass
Blue	B	PE-Cy5	232	50.72	609	-11	0.0107	137	Pass
Blue	A	PE-Cy7	134	75.81	628	-11	0.0202	22	Pass
Red	C	APC	355	30.31	665	-13	0.0255	162	Pass
Red	A	APC-Cy7	208	33.78	519	-11	0.0052	1212	Pass
Violet	B	DAPI	94	73.21	441	-9	0.1059	7597	Pass
Violet	A	AmCyan	163	60.36	498	-7	0.0347	9753	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	-30.14	-29.65	1.17
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.53
Red	18.36	12.80 - 19.20	N/A	N/A	27.65	28.15	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9669

Fluidics

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

Comments