

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: 05/20/2019 09:31 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	124433	-1	1.30	124547	1.32
Blue	F	SSC	125000	124424	-1	2.37	125392	2.32
Blue	E	FITC	19383	18851	-3	2.80	484	17.30
Blue	D	PE	36216	35683	-2	2.06	803	12.40
Blue	B	PE-Cy5	55140	54143	-2	3.48	1527	19.13
Blue	A	PE-Cy7	42167	41235	-3	5.07	948	28.41
Red	C	APC	67610	67581	-1	2.49	1921	13.08
Red	A	APC-Cy7	50926	50134	-2	3.11	1535	11.47
Violet	B	DAPI	12515	12212	-3	2.35	806	11.19
Violet	A	AmCyan	46312	45438	-2	2.06	1416	8.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18159	7.25	554	12	N/A	N/A	Pass
Blue	F	SSC	57678	2.30	392	7	N/A	N/A	Pass
Blue	E	FITC	76	65.23	445	6	0.0254	238	Pass
Blue	D	PE	158	45.62	486	7	0.2560	339	Pass
Blue	B	PE-Cy5	235	52.95	620	8	0.0092	96	Pass
Blue	A	PE-Cy7	142	76.52	639	9	0.0168	7	Pass
Red	C	APC	376	31.02	676	1	0.0233	136	Pass
Red	A	APC-Cy7	218	34.35	527	-1	0.0047	931	Pass
Violet	B	DAPI	99	68.57	445	2	0.0656	3857	Pass
Violet	A	AmCyan	154	51.41	493	3	0.0337	6174	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	-29.79	-29.52	1.24
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	15.49	12.00 - 18.00	N/A	N/A	27.50	27.92	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9705

Fluidics

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

Comments