

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: 10/19/2020 09:07 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	124261	-1	1.78	124380	1.76
Blue	F	SSC	125000	125773	0	1.93	126700	1.90
Blue	E	FITC	19687	19313	-2	2.58	499	17.57
Blue	D	PE	35036	35148	0	1.92	788	12.57
Blue	B	PE-Cy5	53922	53654	-1	3.40	1517	18.55
Blue	A	PE-Cy7	41443	40914	-2	5.00	938	26.39
Red	C	APC	64207	63811	-1	2.57	1819	12.84
Red	A	APC-Cy7	48785	47507	-3	2.63	1460	10.80
Violet	B	DAPI	11947	11524	-4	4.10	791	11.07
Violet	A	AmCyan	48649	47816	-2	4.11	1488	9.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15871	11.30	548	-12	N/A	N/A	Pass
Blue	F	SSC	58875	1.51	389	-7	N/A	N/A	Pass
Blue	E	FITC	77	72.68	445	-3	0.0268	488	Pass
Blue	D	PE	156	46.06	482	-3	0.2463	341	Pass
Blue	B	PE-Cy5	233	52.95	615	-5	0.0099	148	Pass
Blue	A	PE-Cy7	135	74.96	632	-7	0.0200	17	Pass
Red	C	APC	355	30.09	668	-10	0.0242	116	Pass
Red	A	APC-Cy7	207	32.84	519	-11	0.0053	966	Pass
Violet	B	DAPI	99	65.51	445	-5	0.0863	5306	Pass
Violet	A	AmCyan	166	51.48	505	0	0.0346	6822	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	-29.92	1.16
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	16.80	12.80 - 19.20	N/A	N/A	27.87	28.28	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9629

Fluidics

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

Comments