

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: 01/04/2021 09:20 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	124334	-1	1.84	124395	1.75
Blue	F	SSC	125000	123383	-2	1.94	124231	1.82
Blue	E	FITC	19687	19034	-4	2.57	492	17.23
Blue	D	PE	35036	34659	-2	1.80	776	12.07
Blue	B	PE-Cy5	53922	53284	-2	3.61	1501	18.59
Blue	A	PE-Cy7	41443	40590	-3	5.78	937	27.37
Red	C	APC	64207	63297	-2	2.95	1795	12.90
Red	A	APC-Cy7	48785	47844	-2	3.19	1480	11.74
Violet	B	DAPI	11947	11543	-4	2.89	811	9.70
Violet	A	AmCyan	48649	47843	-2	2.79	1491	8.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16142	10.91	548	-12	N/A	N/A	Pass
Blue	F	SSC	57617	1.45	388	-8	N/A	N/A	Pass
Blue	E	FITC	75	68.20	445	-3	0.0259	299	Pass
Blue	D	PE	153	45.06	482	-3	0.2818	371	Pass
Blue	B	PE-Cy5	233	50.70	616	-4	0.0098	85	Pass
Blue	A	PE-Cy7	133	76.63	635	-4	0.0185	13	Pass
Red	C	APC	352	30.09	669	-9	0.0245	121	Pass
Red	A	APC-Cy7	209	33.15	522	-8	0.0043	349	Pass
Violet	B	DAPI	102	59.97	443	-7	0.1297	7073	Pass
Violet	A	AmCyan	167	41.92	504	-1	0.0316	3526	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	-30.55	-30.17	1.15
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.51
Red	15.65	12.80 - 19.20	N/A	N/A	28.37	28.67	1.30

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9668

Fluidics

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

Comments