

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: 10/05/2020 09:06 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	124211	-1	2.30	124330	2.27
Blue	F	SSC	125000	123843	-1	1.90	124719	1.85
Blue	E	FITC	19687	19065	-4	2.50	489	17.50
Blue	D	PE	35036	34831	-1	1.70	783	12.67
Blue	B	PE-Cy5	53922	52981	-2	3.54	1487	18.65
Blue	A	PE-Cy7	41443	40155	-4	5.27	903	27.46
Red	C	APC	64207	63554	-2	2.72	1810	12.83
Red	A	APC-Cy7	48785	47110	-4	2.65	1429	10.92
Violet	B	DAPI	11947	11610	-3	3.86	783	10.88
Violet	A	AmCyan	48649	47783	-2	3.79	1496	9.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17745	11.74	556	-4	N/A	N/A	Pass
Blue	F	SSC	57497	1.81	390	-6	N/A	N/A	Pass
Blue	E	FITC	77	69.77	447	-1	0.0265	408	Pass
Blue	D	PE	155	46.51	484	-1	0.2386	336	Pass
Blue	B	PE-Cy5	228	52.39	617	-3	0.0099	116	Pass
Blue	A	PE-Cy7	127	79.42	633	-6	0.0189	19	Pass
Red	C	APC	352	30.43	667	-11	0.0246	139	Pass
Red	A	APC-Cy7	201	31.98	519	-11	0.0051	496	Pass
Violet	B	DAPI	96	66.90	444	-6	0.0947	5583	Pass
Violet	A	AmCyan	166	45.94	503	-2	0.0319	4578	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	-30.04	-29.76	1.17
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	17.95	12.80 - 19.20	N/A	N/A	27.88	28.20	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10048

Fluidics

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

Comments