

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: 02/17/2020 09:32 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	124212	-1	2.13	124279	2.09
Blue	F	SSC	125000	122298	-3	1.73	123185	1.70
Blue	E	FITC	19687	19223	-3	2.39	493	16.98
Blue	D	PE	35036	34929	-1	1.73	785	12.40
Blue	B	PE-Cy5	53922	52860	-2	3.69	1500	17.97
Blue	A	PE-Cy7	41443	40366	-3	5.94	936	26.60
Red	C	APC	64207	63558	-2	2.31	1809	12.55
Red	A	APC-Cy7	48785	47424	-3	3.67	1496	10.86
Violet	B	DAPI	11947	11591	-3	2.57	789	9.72
Violet	A	AmCyan	48649	47438	-3	2.38	1473	7.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17215	8.61	545	-15	N/A	N/A	Pass
Blue	F	SSC	57005	1.41	387	-9	N/A	N/A	Pass
Blue	E	FITC	76	65.23	443	-5	0.0262	239	Pass
Blue	D	PE	155	45.06	480	-5	0.2452	317	Pass
Blue	B	PE-Cy5	230	50.07	613	-7	0.0106	111	Pass
Blue	A	PE-Cy7	136	73.30	631	-8	0.0196	11	Pass
Red	C	APC	355	29.21	666	-12	0.0252	104	Pass
Red	A	APC-Cy7	213	32.95	520	-10	0.0056	1344	Pass
Violet	B	DAPI	98	60.01	438	-12	0.1135	5533	Pass
Violet	A	AmCyan	162	38.68	494	-11	0.0378	3255	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	-29.99	-29.63	1.18
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.53
Red	18.18	12.80 - 19.20	N/A	N/A	27.71	28.08	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9934

Fluidics

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

Comments