

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: 08/10/2020 09:39 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	125539	0	1.89	125628	1.84
Blue	F	SSC	125000	124496	-1	1.40	125286	1.36
Blue	E	FITC	19687	19140	-3	2.64	494	16.58
Blue	D	PE	35036	34290	-3	1.96	767	12.16
Blue	B	PE-Cy5	53922	52389	-3	3.74	1478	18.17
Blue	A	PE-Cy7	41443	40113	-4	5.49	931	26.38
Red	C	APC	64207	63702	-1	2.43	1819	13.04
Red	A	APC-Cy7	48785	48169	-2	2.61	1507	11.41
Violet	B	DAPI	11947	11611	-3	2.11	828	9.93
Violet	A	AmCyan	48649	48402	-1	1.64	1510	8.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14757	11.07	539	-21	N/A	N/A	Pass
Blue	F	SSC	58144	1.21	385	-11	N/A	N/A	Pass
Blue	E	FITC	75	66.57	440	-8	0.0287	305	Pass
Blue	D	PE	150	45.39	477	-8	0.2739	353	Pass
Blue	B	PE-Cy5	228	50.75	609	-11	0.0104	119	Pass
Blue	A	PE-Cy7	135	75.81	626	-13	0.0201	24	Pass
Red	C	APC	356	31.10	674	-4	0.0234	145	Pass
Red	A	APC-Cy7	214	33.15	523	-7	0.0045	561	Pass
Violet	B	DAPI	103	61.56	441	-9	0.0912	5173	Pass
Violet	A	AmCyan	168	47.66	501	-4	0.0370	6106	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	-29.35	-29.06	1.21
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	16.15	12.80 - 19.20	N/A	N/A	27.19	27.53	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9940

Fluidics

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

Comments