

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: 07/06/2020 09:37 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	123698	-2	1.59	123787	1.59
Blue	F	SSC	125000	123599	-2	1.60	124417	1.56
Blue	E	FITC	19687	18846	-5	2.86	488	16.27
Blue	D	PE	35036	34407	-2	1.89	767	12.72
Blue	B	PE-Cy5	53922	52435	-3	4.51	1471	19.00
Blue	A	PE-Cy7	41443	40581	-3	6.70	925	28.47
Red	C	APC	64207	63718	-1	2.82	1814	12.88
Red	A	APC-Cy7	48785	47290	-4	3.32	1450	12.05
Violet	B	DAPI	11947	11640	-3	2.85	815	9.61
Violet	A	AmCyan	48649	48122	-2	2.31	1486	7.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14575	10.13	546	-14	N/A	N/A	Pass
Blue	F	SSC	57509	1.19	388	-8	N/A	N/A	Pass
Blue	E	FITC	73	64.86	444	-4	0.0294	245	Pass
Blue	D	PE	150	45.39	482	-3	0.2177	257	Pass
Blue	B	PE-Cy5	229	49.42	616	-4	0.0094	31	Pass
Blue	A	PE-Cy7	134	75.81	634	-5	0.0172	2	Pass
Red	C	APC	356	30.31	671	-7	0.0245	136	Pass
Red	A	APC-Cy7	210	33.57	521	-9	0.0041	361	Pass
Violet	B	DAPI	102	57.56	439	-11	0.1058	4953	Pass
Violet	A	AmCyan	165	35.45	498	-7	0.0347	2231	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	-29.65	-29.31	1.20
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	15.68	12.80 - 19.20	N/A	N/A	27.46	27.78	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9553

Fluidics

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

Comments