

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: 06/04/2018 09:37 AM
Cytometer Baseline: 10/23/2017 09:39 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (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	125162	0	1.07	125265	1.06
Blue	F	SSC	125000	124673	-1	2.47	125761	2.44
Blue	E	FITC	18535	17954	-4	2.64	490	16.52
Blue	D	PE	29708	29054	-3	2.04	781	11.52
Blue	B	PE-Cy5	70430	70140	-1	3.51	1634	17.21
Blue	A	PE-Cy7	70607	68988	-3	5.43	947	26.14
Red	C	APC	76673	76856	0	2.22	2452	11.24
Red	A	APC-Cy7	78803	76778	-3	4.21	1426	10.99
Violet	B	DAPI	11434	11015	-4	2.61	786	11.05
Violet	A	AmCyan	43596	42603	-3	2.29	1238	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18401	4.08	536	0	N/A	N/A	Pass
Blue	F	SSC	58150	2.27	383	-2	N/A	N/A	Pass
Blue	E	FITC	71	75.71	437	-3	0.0316	610	Pass
Blue	D	PE	133	47.17	471	-2	0.2510	313	Pass
Blue	B	PE-Cy5	251	50.02	609	0	0.0106	206	Pass
Blue	A	PE-Cy7	150	70.39	631	-2	0.0203	18	Pass
Red	C	APC	512	25.16	668	1	0.0240	136	Pass
Red	A	APC-Cy7	246	29.01	514	-1	0.0055	1382	Pass
Violet	B	DAPI	96	71.31	443	1	0.0856	5483	Pass
Violet	A	AmCyan	148	61.98	492	2	0.0262	6748	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	-29.83	-29.62	1.22
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	16.07	14.86 - 22.30	N/A	N/A	27.51	27.88	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12141

Fluidics

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

Comments