

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: 06/12/2018 02:07 PM
Cytometer Baseline: 06/11/2018 02:40 PM
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	123829	-1	1.52	123998	1.50
Blue	F	SSC	125000	123478	-2	3.33	124584	3.23
Blue	E	FITC	18778	17899	-5	2.82	490	15.15
Blue	D	PE	33461	32499	-3	2.42	878	10.77
Blue	B	PE-Cy5	74647	72814	-3	3.33	1695	16.21
Blue	A	PE-Cy7	74829	73505	-2	4.71	1010	25.19
Red	C	APC	83387	83161	-1	2.16	2652	10.96
Red	A	APC-Cy7	88776	88565	-1	3.44	1634	10.84
Violet	B	DAPI	11708	11464	-3	2.51	819	10.02
Violet	A	AmCyan	45634	44910	-2	2.14	1311	8.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18408	4.80	524	-12	N/A	N/A	Pass
Blue	F	SSC	57752	3.29	378	-7	N/A	N/A	Pass
Blue	E	FITC	72	58.69	432	-7	0.0312	99	Pass
Blue	D	PE	148	43.87	472	-7	0.2947	306	Pass
Blue	B	PE-Cy5	261	44.82	605	-8	0.0117	109	Pass
Blue	A	PE-Cy7	161	65.74	628	-8	0.0214	6	Pass
Red	C	APC	551	24.53	674	-4	0.0254	134	Pass
Red	A	APC-Cy7	279	28.51	522	-2	0.0052	982	Pass
Violet	B	DAPI	100	59.67	440	-2	0.0818	3362	Pass
Violet	A	AmCyan	157	35.91	490	-2	0.0322	1764	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	-29.62	-29.42	1.23
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	15.54	14.86 - 22.30	N/A	N/A	27.35	27.68	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9934

Fluidics

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

Comments