

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: 02/29/2016 09:46 AM
Cytometer Baseline: 12/15/2015 01:27 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	124425	-1	2.31	124678	2.28
Blue	F	SSC	125000	122476	-3	2.15	123248	2.14
Blue	E	FITC	19512	18369	-6	3.90	443	25.19
Blue	D	PE	34487	33536	-3	4.08	656	19.31
Blue	B	PE-Cy5	58285	56660	-3	5.94	1115	32.20
Blue	A	PE-Cy7	46791	45573	-3	7.30	590	58.65
Red	C	APC	58704	58019	-2	4.32	1377	17.67
Red	A	APC-Cy7	53810	51654	-5	4.85	819	18.94
Violet	B	DAPI	11790	11014	-7	4.76	780	15.32
Violet	A	AmCyan	45340	43804	-4	4.69	1352	13.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16047	13.22	582	-8	N/A	N/A	Pass
Blue	F	SSC	61938	1.48	419	-2	N/A	N/A	Pass
Blue	E	FITC	78	104.33	472	-2	0.0166	1190	Pass
Blue	D	PE	168	58.79	518	1	0.1325	415	Pass
Blue	B	PE-Cy5	232	85.25	686	9	0.0046	347	Pass
Blue	A	PE-Cy7	107	172.30	738	10	0.0063	72	Pass
Red	C	APC	397	34.18	711	6	0.0160	160	Pass
Red	A	APC-Cy7	201	42.99	563	2	0.0028	1138	Pass
Violet	B	DAPI	106	87.31	489	12	0.0390	5206	Pass
Violet	A	AmCyan	170	71.04	544	17	0.0135	5924	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	59.64	47.71 - 71.57	N/A	N/A	-29.94	-29.83	1.19
Blue	20.25	16.21 - 24.31	1.46	1.14 - 1.70	0.00	0.00	1.45
Red	17.78	12.75 - 19.13	N/A	N/A	29.07	29.43	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9854

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60
Sample Pressure: 4.30

Comments