

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: 03/29/2016 09:47 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	124954	-1	2.03	125198	2.05
Blue	F	SSC	125000	123151	-2	2.26	123982	2.26
Blue	E	FITC	19512	18393	-6	4.38	438	28.68
Blue	D	PE	34487	33434	-4	4.48	654	20.53
Blue	B	PE-Cy5	58285	57262	-2	6.35	1130	34.90
Blue	A	PE-Cy7	46791	46372	-1	11.47	621	61.77
Red	C	APC	58704	59239	0	4.44	1407	17.88
Red	A	APC-Cy7	53810	53230	-2	10.83	862	20.10
Violet	B	DAPI	11790	11032	-7	5.16	790	16.84
Violet	A	AmCyan	45340	43482	-5	5.30	1339	16.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16066	10.76	577	-13	N/A	N/A	Pass
Blue	F	SSC	62658	1.44	419	-2	N/A	N/A	Pass
Blue	E	FITC	79	121.30	473	-1	0.0144	1556	Pass
Blue	D	PE	166	65.18	520	3	0.1375	567	Pass
Blue	B	PE-Cy5	233	97.92	694	17	0.0041	494	Pass
Blue	A	PE-Cy7	116	186.70	749	21	0.0059	110	Pass
Red	C	APC	403	35.32	721	16	0.0160	210	Pass
Red	A	APC-Cy7	212	46.38	576	15	0.0038	3620	Pass
Violet	B	DAPI	108	95.08	494	17	0.0303	4999	Pass
Violet	A	AmCyan	167	95.01	550	23	0.0127	10657	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	59.62	47.71 - 71.57	N/A	N/A	-30.04	-29.71	1.18
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.44
Red	17.42	12.75 - 19.13	N/A	N/A	29.03	29.24	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10752

Fluidics

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

Comments