

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: 03/16/2015 10:02 AM
Cytometer Baseline: 03/02/2015 10:16 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 24628 **Expiration Date:** 08/31/2015
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	124329	-1	1.13	124391	1.14
Blue	F	SSC	125000	125537	0	1.51	126403	1.49
Blue	E	FITC	19605	18800	-5	2.50	438	18.60
Blue	D	PE	34814	34381	-2	1.62	787	13.43
Blue	B	PE-Cy5	54892	54280	-2	3.67	1989	17.56
Blue	A	PE-Cy7	46343	45743	-2	6.78	1366	25.97
Red	C	APC	53666	53451	-1	2.59	2050	12.99
Red	A	APC-Cy7	51403	51017	-1	3.21	2133	9.44
Violet	B	DAPI	11521	11124	-4	2.56	729	11.95
Violet	A	AmCyan	44635	43775	-2	2.13	1134	10.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17345	6.41	562	-17	N/A	N/A	Pass
Blue	F	SSC	61220	1.41	404	-6	N/A	N/A	Pass
Blue	E	FITC	87	57.80	455	-6	0.0230	210	Pass
Blue	D	PE	181	42.53	494	-5	0.1922	283	Pass
Blue	B	PE-Cy5	269	50.79	626	-5	0.0085	76	Pass
Blue	A	PE-Cy7	159	81.75	664	-2	0.0145	20	Pass
Red	C	APC	402	29.38	685	0	0.0195	39	Pass
Red	A	APC-Cy7	244	31.01	531	1	0.0046	884	Pass
Violet	B	DAPI	110	61.24	465	-5	0.0631	3731	Pass
Violet	A	AmCyan	181	36.33	519	-4	0.0210	1521	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	-30.26	-29.89	1.20
Blue	20.25	16.21 - 24.31	1.45	1.14 - 1.70	0.00	0.00	1.49
Red	18.90	13.20 - 19.80	N/A	N/A	29.06	29.35	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12926

Fluidics

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

Comments