

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: 03/02/2015 10:22 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	125736	0	1.40	125807	1.37
Blue	F	SSC	125000	124600	-1	1.64	125398	1.62
Blue	E	FITC	19605	18827	-4	2.62	438	18.60
Blue	D	PE	34814	34071	-3	1.77	778	13.58
Blue	B	PE-Cy5	54892	54674	-1	3.61	2005	17.90
Blue	A	PE-Cy7	46343	45848	-2	6.39	1364	25.81
Red	C	APC	53666	53216	-1	2.63	2043	12.94
Red	A	APC-Cy7	51403	51179	-1	2.93	2136	9.27
Violet	B	DAPI	11521	11017	-5	2.53	721	12.07
Violet	A	AmCyan	44635	44027	-2	2.04	1138	9.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17472	8.02	566	-13	N/A	N/A	Pass
Blue	F	SSC	60870	1.58	407	-3	N/A	N/A	Pass
Blue	E	FITC	87	57.80	458	-3	0.0231	210	Pass
Blue	D	PE	179	44.11	497	-2	0.2039	344	Pass
Blue	B	PE-Cy5	270	51.32	630	-1	0.0081	58	Pass
Blue	A	PE-Cy7	157	79.72	664	-2	0.0144	11	Pass
Red	C	APC	401	29.93	685	0	0.0199	84	Pass
Red	A	APC-Cy7	243	31.17	530	0	0.0048	1015	Pass
Violet	B	DAPI	109	60.58	468	-2	0.0566	3195	Pass
Violet	A	AmCyan	181	32.73	523	0	0.0214	960	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	-30.19	-29.78	1.18
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.49
Red	17.23	13.20 - 19.80	N/A	N/A	28.86	29.31	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13296

Fluidics

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

Comments