

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: 04/07/2015 09:40 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	123386	-2	1.15	123478	1.15
Blue	F	SSC	125000	122658	-2	1.68	123461	1.64
Blue	E	FITC	19605	18614	-6	2.59	434	19.40
Blue	D	PE	34814	33914	-3	1.70	773	13.43
Blue	B	PE-Cy5	54892	54228	-2	3.88	1986	17.74
Blue	A	PE-Cy7	46343	45867	-2	6.80	1380	26.33
Red	C	APC	53666	53139	-1	2.61	2041	12.71
Red	A	APC-Cy7	51403	50794	-2	3.44	2118	9.61
Violet	B	DAPI	11521	10961	-5	2.67	718	12.60
Violet	A	AmCyan	44635	44247	-1	2.29	1150	11.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17329	6.53	564	-15	N/A	N/A	Pass
Blue	F	SSC	59950	1.51	404	-6	N/A	N/A	Pass
Blue	E	FITC	87	59.30	457	-4	0.0207	202	Pass
Blue	D	PE	179	43.39	496	-3	0.2086	339	Pass
Blue	B	PE-Cy5	268	51.57	631	0	0.0084	85	Pass
Blue	A	PE-Cy7	159	82.97	672	6	0.0139	19	Pass
Red	C	APC	399	29.74	685	0	0.0209	106	Pass
Red	A	APC-Cy7	243	31.88	533	3	0.0046	1079	Pass
Violet	B	DAPI	109	63.77	469	-1	0.0536	3469	Pass
Violet	A	AmCyan	183	43.72	524	1	0.0190	2529	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	-30.93	-30.48	1.17
Blue	20.25	16.21 - 24.31	1.45	1.14 - 1.70	0.00	0.00	1.46
Red	19.02	13.20 - 19.80	N/A	N/A	29.59	30.00	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12350

Fluidics

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

Comments