

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: 11/30/2015 09:33 AM
Cytometer Baseline: 06/08/2015 10:24 AM
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	123131	-2	3.50	123426	3.41
Blue	F	SSC	125000	122610	-2	3.37	123479	3.38
Blue	E	FITC	20752	19864	-5	3.62	483	20.42
Blue	D	PE	34971	33821	-4	3.08	665	17.08
Blue	B	PE-Cy5	59521	57940	-3	5.04	1152	28.28
Blue	A	PE-Cy7	45673	45103	-2	7.24	601	53.10
Red	C	APC	57794	57683	-1	3.45	1367	16.76
Red	A	APC-Cy7	53499	51863	-4	4.73	850	17.00
Violet	B	DAPI	11638	10892	-7	3.81	804	13.91
Violet	A	AmCyan	43958	42624	-4	3.58	1317	14.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15557	13.36	587	14	N/A	N/A	Pass
Blue	F	SSC	61713	2.96	417	7	N/A	N/A	Pass
Blue	E	FITC	83	69.02	472	6	0.0178	237	Pass
Blue	D	PE	169	51.95	512	10	0.1614	372	Pass
Blue	B	PE-Cy5	241	67.47	665	27	0.0054	130	Pass
Blue	A	PE-Cy7	115	140.85	722	46	0.0071	46	Pass
Red	C	APC	387	31.83	697	10	0.0171	78	Pass
Red	A	APC-Cy7	205	39.42	551	14	0.0035	1390	Pass
Violet	B	DAPI	112	78.03	476	11	0.0433	5127	Pass
Violet	A	AmCyan	166	87.27	529	15	0.0162	11780	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	-30.38	-30.10	1.18
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.45
Red	17.33	13.20 - 19.80	N/A	N/A	29.38	29.67	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9921

Fluidics

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

Comments