

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: 04/04/2016 09:18 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 (Expired)
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	123878	-1	1.91	124174	1.91
Blue	F	SSC	125000	122434	-3	2.68	123260	2.71
Blue	E	FITC	19512	18660	-5	4.54	447	25.91
Blue	D	PE	34487	33443	-4	4.61	655	20.34
Blue	B	PE-Cy5	58285	56597	-3	6.56	1130	34.78
Blue	A	PE-Cy7	46791	45823	-3	12.26	627	61.29
Red	C	APC	58704	58515	-1	4.40	1388	18.69
Red	A	APC-Cy7	53810	52189	-4	11.83	870	19.94
Violet	B	DAPI	11790	11098	-6	5.11	804	15.47
Violet	A	AmCyan	45340	44113	-3	5.39	1349	13.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15875	10.73	578	-12	N/A	N/A	Pass
Blue	F	SSC	62448	1.48	419	-2	N/A	N/A	Pass
Blue	E	FITC	81	105.90	474	0	0.0165	1305	Pass
Blue	D	PE	163	62.98	521	4	0.1192	413	Pass
Blue	B	PE-Cy5	239	93.45	695	18	0.0040	429	Pass
Blue	A	PE-Cy7	110	191.18	751	23	0.0058	102	Pass
Red	C	APC	396	36.73	724	19	0.0142	174	Pass
Red	A	APC-Cy7	214	46.69	578	17	0.0045	5281	Pass
Violet	B	DAPI	110	88.63	488	11	0.0407	5978	Pass
Violet	A	AmCyan	169	74.66	544	17	0.0147	7064	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)

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: 04/04/2016 09:18 AM
Cytometer Baseline: 12/15/2015 01:27 PM
P/F: Pass

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	-30.10	-29.92	1.20
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.45
Red	16.90	12.75 - 19.13	N/A	N/A	29.06	29.41	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9785

Fluidics

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

Comments