

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: 10/24/2016 09:24 AM
Cytometer Baseline: 12/15/2015 01:27 PM (Expired)
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	124586	-1	2.25	124815	2.26
Blue	F	SSC	125000	123295	-2	3.61	124186	3.57
Blue	E	FITC	19512	18371	-6	2.58	443	22.45
Blue	D	PE	34487	33412	-4	1.71	663	15.84
Blue	B	PE-Cy5	58285	57354	-2	4.23	1137	26.75
Blue	A	PE-Cy7	46791	46397	-1	6.27	609	46.23
Red	C	APC	58704	59403	1	3.01	1414	18.06
Red	A	APC-Cy7	53810	53370	-1	3.69	840	19.99
Violet	B	DAPI	11790	11128	-6	3.70	768	14.26
Violet	A	AmCyan	45340	44757	-2	3.76	1402	13.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17777	6.30	585	-5	N/A	N/A	Pass
Blue	F	SSC	61090	3.34	410	-11	N/A	N/A	Pass
Blue	E	FITC	82	86.68	458	-16	0.0194	949	Pass
Blue	D	PE	167	48.30	502	-15	0.1741	331	Pass
Blue	B	PE-Cy5	244	69.90	662	-15	0.0066	363	Pass
Blue	A	PE-Cy7	122	122.28	704	-24	0.0098	56	Pass
Red	C	APC	396	36.74	728	23	0.0150	213	Pass
Red	A	APC-Cy7	202	47.44	577	16	0.0025	1431	Pass
Violet	B	DAPI	100	85.66	476	-1	0.0449	4995	Pass
Violet	A	AmCyan	169	74.62	530	3	0.0153	7208	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	59.82	47.71 - 71.57	N/A	N/A	-29.18	-28.92	1.12
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.27
Red	15.37	12.75 - 19.13	N/A	N/A	29.67	29.91	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10230

Fluidics

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

Comments