

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: 07/09/2015 01:34 PM
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	124276	-1	2.15	124459	2.11
Blue	F	SSC	125000	123583	-2	2.78	124326	2.75
Blue	E	FITC	20752	19884	-5	3.10	462	21.79
Blue	D	PE	34971	34020	-3	2.30	659	17.25
Blue	B	PE-Cy5	59521	58462	-2	5.49	1294	25.87
Blue	A	PE-Cy7	45673	44109	-4	12.08	829	46.17
Red	C	APC	57794	57635	-1	2.60	1363	16.36
Red	A	APC-Cy7	53499	50583	-6	11.06	1197	17.57
Violet	B	DAPI	11638	11084	-5	3.48	762	13.72
Violet	A	AmCyan	43958	41927	-5	2.95	1284	12.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18017	8.11	570	-3	N/A	N/A	Pass
Blue	F	SSC	60843	2.61	409	-1	N/A	N/A	Pass
Blue	E	FITC	82	79.43	462	-4	0.0184	493	Pass
Blue	D	PE	165	50.30	499	-3	0.1317	236	Pass
Blue	B	PE-Cy5	273	63.31	653	15	0.0061	224	Pass
Blue	A	PE-Cy7	171	115.03	724	48	0.0070	68	Pass
Red	C	APC	384	30.87	691	4	0.0174	44	Pass
Red	A	APC-Cy7	317	36.22	573	36	0.0041	5782	Pass
Violet	B	DAPI	100	80.54	462	-3	0.0447	4268	Pass
Violet	A	AmCyan	157	71.21	510	-4	0.0169	7027	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	-30.42	-29.48	1.24
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.48
Red	16.97	13.20 - 19.80	N/A	N/A	27.96	28.96	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10081

Fluidics

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

Comments