

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: 03/27/2017 09:33 AM
Cytometer Baseline: 01/04/2017 03:58 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	124183	-1	2.58	124202	2.66
Blue	F	SSC	125000	124549	-1	3.83	125442	3.72
Blue	E	FITC	20501	19653	-5	2.83	474	22.15
Blue	D	PE	34373	33740	-2	1.93	673	17.18
Blue	B	PE-Cy5	59337	58624	-2	4.90	1166	29.21
Blue	A	PE-Cy7	48989	49017	0	7.24	634	51.33
Red	C	APC	60194	60437	0	3.14	1449	18.12
Red	A	APC-Cy7	52685	51778	-2	3.94	801	20.02
Violet	B	DAPI	11362	10907	-5	3.04	750	12.89
Violet	A	AmCyan	47125	45723	-3	3.08	1438	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17002	14.40	580	-10	N/A	N/A	Pass
Blue	F	SSC	61904	3.51	420	-1	N/A	N/A	Pass
Blue	E	FITC	85	83.47	470	-4	0.0183	718	Pass
Blue	D	PE	169	53.22	512	-2	0.1525	376	Pass
Blue	B	PE-Cy5	241	75.46	677	-2	0.0054	274	Pass
Blue	A	PE-Cy7	122	141.28	723	-1	0.0082	62	Pass
Red	C	APC	406	35.11	725	4	0.0142	93	Pass
Red	A	APC-Cy7	192	46.67	571	1	0.0025	1178	Pass
Violet	B	DAPI	97	75.05	461	2	0.0472	3767	Pass
Violet	A	AmCyan	176	54.84	518	4	0.0217	5272	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	59.80	47.71 - 71.57	N/A	N/A	-29.86	-29.36	1.21
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.45
Red	16.90	12.75 - 19.13	N/A	N/A	30.11	30.56	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9807

Fluidics

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

Comments