

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: 11/07/2016 09:17 AM
Cytometer Baseline: 10/31/2016 09:11 AM
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	124701	-1	2.30	124829	2.21
Blue	F	SSC	125000	124019	-1	3.66	125099	3.61
Blue	E	FITC	19293	18583	-4	2.58	448	22.71
Blue	D	PE	30205	29542	-3	1.70	590	15.67
Blue	B	PE-Cy5	53947	53451	-1	4.22	1065	26.77
Blue	A	PE-Cy7	44503	44282	-1	6.24	576	46.53
Red	C	APC	63278	63726	0	2.95	1527	17.98
Red	A	APC-Cy7	54872	54808	-1	3.54	844	19.93
Violet	B	DAPI	11764	11451	-3	4.26	783	14.29
Violet	A	AmCyan	46171	45315	-2	4.42	1424	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	18942	6.27	583	-7	N/A	N/A	Pass
Blue	F	SSC	61525	3.45	418	-3	N/A	N/A	Pass
Blue	E	FITC	82	87.61	462	-1	0.0185	905	Pass
Blue	D	PE	148	47.34	497	-1	0.1716	311	Pass
Blue	B	PE-Cy5	222	71.63	661	0	0.0066	372	Pass
Blue	A	PE-Cy7	117	121.45	705	1	0.0097	52	Pass
Red	C	APC	428	35.66	732	-9	0.0147	147	Pass
Red	A	APC-Cy7	203	47.17	576	-7	0.0025	1370	Pass
Violet	B	DAPI	103	87.02	482	4	0.0553	6513	Pass
Violet	A	AmCyan	175	66.53	536	5	0.0169	6496	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	-29.72	-29.40	1.13
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.25
Red	15.66	12.75 - 19.13	N/A	N/A	29.95	30.29	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12967

Fluidics

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

Comments