

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: 04/10/2017 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	123533	-2	3.76	123804	3.69
Blue	F	SSC	125000	123367	-2	4.60	124296	4.66
Blue	E	FITC	20501	19814	-4	2.98	483	22.13
Blue	D	PE	34373	33634	-3	2.14	671	17.22
Blue	B	PE-Cy5	59337	58916	-1	4.88	1156	29.61
Blue	A	PE-Cy7	48989	48545	-1	6.87	628	51.81
Red	C	APC	60194	59991	-1	3.24	1433	18.18
Red	A	APC-Cy7	52685	51900	-2	3.85	793	19.98
Violet	B	DAPI	11362	10974	-4	3.24	781	12.35
Violet	A	AmCyan	47125	45985	-3	3.06	1429	10.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14412	16.94	585	-5	N/A	N/A	Pass
Blue	F	SSC	61832	4.18	424	3	N/A	N/A	Pass
Blue	E	FITC	85	82.93	472	-2	0.0172	608	Pass
Blue	D	PE	168	51.95	513	-1	0.1415	318	Pass
Blue	B	PE-Cy5	242	73.25	678	-1	0.0051	195	Pass
Blue	A	PE-Cy7	121	141.20	722	-2	0.0079	57	Pass
Red	C	APC	402	35.86	725	4	0.0144	138	Pass
Red	A	APC-Cy7	193	46.07	571	1	0.0025	1114	Pass
Violet	B	DAPI	106	72.45	461	2	0.0645	5791	Pass
Violet	A	AmCyan	177	54.46	518	4	0.0190	4392	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	-29.58	-29.32	1.21
Blue	20.25	16.21 - 24.31	1.44	1.14 - 1.70	0.00	0.00	1.44
Red	16.46	12.75 - 19.13	N/A	N/A	30.19	30.64	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9611

Fluidics

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

Comments