

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: 01/16/2017 09:21 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	125472	0	2.91	125598	2.85
Blue	F	SSC	125000	124712	-1	3.77	125676	3.71
Blue	E	FITC	20501	19836	-4	2.77	477	23.74
Blue	D	PE	34373	33791	-2	1.89	676	17.07
Blue	B	PE-Cy5	59337	58956	-1	4.86	1174	29.87
Blue	A	PE-Cy7	48989	49267	0	6.57	633	50.32
Red	C	APC	60194	61524	2	3.07	1473	17.85
Red	A	APC-Cy7	52685	52026	-2	3.63	798	19.33
Violet	B	DAPI	11362	10926	-4	3.08	743	12.91
Violet	A	AmCyan	47125	45918	-3	2.93	1439	11.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16982	13.98	578	-12	N/A	N/A	Pass
Blue	F	SSC	61823	3.35	416	-5	N/A	N/A	Pass
Blue	E	FITC	86	93.90	469	-5	0.0175	994	Pass
Blue	D	PE	170	52.77	509	-5	0.1537	377	Pass
Blue	B	PE-Cy5	240	79.01	673	-6	0.0052	315	Pass
Blue	A	PE-Cy7	121	139.43	718	-6	0.0085	61	Pass
Red	C	APC	414	33.79	721	0	0.0144	48	Pass
Red	A	APC-Cy7	191	46.67	567	-3	0.0028	1585	Pass
Violet	B	DAPI	98	75.94	463	4	0.0524	4379	Pass
Violet	A	AmCyan	177	60.11	519	5	0.0206	6297	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	-29.95	-29.56	1.20
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.44
Red	15.49	12.75 - 19.13	N/A	N/A	30.38	30.91	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9546

Fluidics

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

Comments