

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: 01/09/2017 10:01 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	125021	0	3.30	125187	3.29
Blue	F	SSC	125000	123829	-1	4.10	124784	3.94
Blue	E	FITC	20501	19831	-4	2.78	476	23.97
Blue	D	PE	34373	33589	-3	1.87	670	17.98
Blue	B	PE-Cy5	59337	58957	-1	4.74	1174	30.08
Blue	A	PE-Cy7	48989	48719	-1	6.96	638	51.08
Red	C	APC	60194	60659	0	3.06	1444	17.82
Red	A	APC-Cy7	52685	52128	-2	3.84	824	19.40
Violet	B	DAPI	11362	10811	-5	3.08	756	12.55
Violet	A	AmCyan	47125	45792	-3	3.01	1431	11.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16208	17.17	583	-7	N/A	N/A	Pass
Blue	F	SSC	61558	3.53	419	-2	N/A	N/A	Pass
Blue	E	FITC	87	94.79	472	-2	0.0174	1035	Pass
Blue	D	PE	167	54.49	512	-2	0.1257	305	Pass
Blue	B	PE-Cy5	239	78.98	678	-1	0.0050	288	Pass
Blue	A	PE-Cy7	121	144.77	724	0	0.0082	71	Pass
Red	C	APC	410	34.74	722	1	0.0150	125	Pass
Red	A	APC-Cy7	198	45.62	569	-1	0.0026	1320	Pass
Violet	B	DAPI	99	74.13	464	5	0.0551	4601	Pass
Violet	A	AmCyan	175	60.11	521	7	0.0190	5630	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	-30.22	-29.79	1.19
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.43
Red	15.37	12.75 - 19.13	N/A	N/A	30.48	31.07	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13616

Fluidics

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

Comments