

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: 04/30/2018 10:30 AM
Cytometer Baseline: 10/23/2017 09:39 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (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	124937	-1	1.05	125100	1.06
Blue	F	SSC	125000	124219	-1	2.48	125346	2.42
Blue	E	FITC	18535	17483	-6	2.48	471	16.26
Blue	D	PE	29708	28825	-3	1.87	771	11.11
Blue	B	PE-Cy5	70430	68905	-3	3.31	1658	16.32
Blue	A	PE-Cy7	70607	68184	-4	5.53	1023	25.33
Red	C	APC	76673	76787	0	2.59	2439	11.51
Red	A	APC-Cy7	78803	76967	-3	5.17	1568	11.22
Violet	B	DAPI	11434	11089	-4	2.20	797	10.44
Violet	A	AmCyan	43596	42921	-2	1.67	1236	9.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18499	4.55	527	-9	N/A	N/A	Pass
Blue	F	SSC	58086	2.46	381	-4	N/A	N/A	Pass
Blue	E	FITC	69	67.68	432	-8	0.0293	287	Pass
Blue	D	PE	130	46.55	466	-7	0.2818	333	Pass
Blue	B	PE-Cy5	257	45.62	606	-3	0.0112	140	Pass
Blue	A	PE-Cy7	165	66.65	633	0	0.0198	17	Pass
Red	C	APC	509	25.62	671	4	0.0232	129	Pass
Red	A	APC-Cy7	273	29.65	523	8	0.0053	2390	Pass
Violet	B	DAPI	97	66.72	440	-2	0.0891	4927	Pass
Violet	A	AmCyan	150	57.86	489	-1	0.0306	6825	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	47.84 - 71.76	N/A	N/A	-29.68	-29.43	1.22
Blue	20.25	16.21 - 24.31	1.44	1.14 - 1.70	0.00	0.00	1.52
Red	15.59	14.86 - 22.30	N/A	N/A	27.38	27.83	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10005

Fluidics

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

Comments