

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: 07/18/2016 10:04 AM
Cytometer Baseline: 12/15/2015 01:27 PM (Expired)
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	124968	-1	1.84	125111	1.83
Blue	F	SSC	125000	125232	0	2.68	126235	2.67
Blue	E	FITC	19512	18729	-5	2.48	449	20.70
Blue	D	PE	34487	33706	-3	1.63	671	15.00
Blue	B	PE-Cy5	58285	57498	-2	4.10	1145	25.54
Blue	A	PE-Cy7	46791	46922	0	5.91	612	43.42
Red	C	APC	58704	59098	0	2.93	1415	18.15
Red	A	APC-Cy7	53810	53250	-2	3.34	823	19.30
Violet	B	DAPI	11790	11353	-4	3.03	769	12.57
Violet	A	AmCyan	45340	44053	-3	3.01	1383	9.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18032	5.46	586	-4	N/A	N/A	Pass
Blue	F	SSC	61634	2.74	412	-9	N/A	N/A	Pass
Blue	E	FITC	84	76.38	458	-16	0.0215	733	Pass
Blue	D	PE	170	44.59	500	-17	0.1849	288	Pass
Blue	B	PE-Cy5	240	63.09	658	-19	0.0068	195	Pass
Blue	A	PE-Cy7	126	110.82	698	-30	0.0110	47	Pass
Red	C	APC	400	34.45	719	14	0.0139	55	Pass
Red	A	APC-Cy7	199	46.50	568	7	0.0027	1602	Pass
Violet	B	DAPI	101	72.48	470	-7	0.0510	3698	Pass
Violet	A	AmCyan	168	47.44	521	-6	0.0215	3470	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	-29.09	-28.84	1.13
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.28
Red	15.08	12.75 - 19.13	N/A	N/A	29.59	29.79	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9902

Fluidics

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

Comments