

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: 02/05/2018 09:36 AM
Cytometer Baseline: 10/23/2017 09:39 AM
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	124573	-1	1.03	124677	1.02
Blue	F	SSC	125000	125458	0	2.27	126578	2.30
Blue	E	FITC	18535	17684	-5	2.46	484	15.65
Blue	D	PE	29708	28858	-3	1.77	781	10.57
Blue	B	PE-Cy5	70430	68529	-3	2.96	1593	16.40
Blue	A	PE-Cy7	70607	69277	-2	4.44	942	25.10
Red	C	APC	76673	76203	-1	2.86	2441	11.29
Red	A	APC-Cy7	78803	76623	-3	4.38	1397	11.26
Violet	B	DAPI	11434	11214	-2	2.22	784	10.41
Violet	A	AmCyan	43596	43080	-2	1.96	1257	8.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19149	4.59	524	-12	N/A	N/A	Pass
Blue	F	SSC	58625	2.29	381	-4	N/A	N/A	Pass
Blue	E	FITC	70	66.24	432	-8	0.0313	291	Pass
Blue	D	PE	132	45.49	465	-8	0.3350	398	Pass
Blue	B	PE-Cy5	243	45.76	601	-8	0.0113	109	Pass
Blue	A	PE-Cy7	149	67.39	624	-9	0.0219	13	Pass
Red	C	APC	505	24.90	668	1	0.0243	116	Pass
Red	A	APC-Cy7	241	29.33	514	-1	0.0053	1186	Pass
Violet	B	DAPI	97	63.01	441	-1	0.0797	3681	Pass
Violet	A	AmCyan	151	44.24	489	-1	0.0339	3812	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	47.84 - 71.76	N/A	N/A	-30.00	-29.72	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	18.48	14.86 - 22.30	N/A	N/A	27.80	28.03	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9730

Fluidics

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

Comments