

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: 01/21/2019 09:21 AM
Cytometer Baseline: 12/17/2018 10:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	125155	0	1.45	125272	1.48
Blue	F	SSC	125000	122591	-2	3.14	123572	3.15
Blue	E	FITC	19383	19135	-2	2.79	490	17.79
Blue	D	PE	36216	35461	-3	2.21	796	12.07
Blue	B	PE-Cy5	55140	54437	-2	3.38	1542	17.97
Blue	A	PE-Cy7	42167	41602	-2	4.97	962	25.56
Red	C	APC	67610	67851	0	2.31	1933	12.58
Red	A	APC-Cy7	50926	49581	-3	3.03	1528	10.95
Violet	B	DAPI	12515	12194	-3	2.51	812	10.57
Violet	A	AmCyan	46312	45733	-2	2.33	1422	8.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18529	7.92	541	-1	N/A	N/A	Pass
Blue	F	SSC	57213	3.31	390	5	N/A	N/A	Pass
Blue	E	FITC	75	80.06	438	-1	0.0304	810	Pass
Blue	D	PE	156	45.62	478	-1	0.2968	400	Pass
Blue	B	PE-Cy5	241	50.96	609	-3	0.0106	152	Pass
Blue	A	PE-Cy7	143	71.79	628	-2	0.0214	20	Pass
Red	C	APC	379	29.24	670	-5	0.0250	102	Pass
Red	A	APC-Cy7	220	31.77	521	-7	0.0052	675	Pass
Violet	B	DAPI	102	64.54	442	-1	0.0855	4776	Pass
Violet	A	AmCyan	156	51.32	490	0	0.0317	5890	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	-30.14	-29.84	1.21
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	16.74	12.00 - 18.00	N/A	N/A	27.94	28.24	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9709

Fluidics

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

Comments