

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: 02/04/2019 09:28 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	124224	-1	1.42	124350	1.41
Blue	F	SSC	125000	123155	-2	1.85	124099	1.84
Blue	E	FITC	19383	18658	-4	2.55	478	17.41
Blue	D	PE	36216	35775	-2	1.86	805	11.75
Blue	B	PE-Cy5	55140	53953	-3	3.37	1533	17.93
Blue	A	PE-Cy7	42167	41637	-2	4.93	960	26.27
Red	C	APC	67610	67356	-1	2.37	1924	12.81
Red	A	APC-Cy7	50926	50426	-1	3.15	1547	11.34
Violet	B	DAPI	12515	12148	-3	2.17	795	10.43
Violet	A	AmCyan	46312	45281	-3	1.85	1411	8.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16919	5.06	536	-6	N/A	N/A	Pass
Blue	F	SSC	56818	1.57	390	5	N/A	N/A	Pass
Blue	E	FITC	74	69.59	438	-1	0.0264	351	Pass
Blue	D	PE	159	43.77	479	0	0.3007	368	Pass
Blue	B	PE-Cy5	238	50.05	611	-1	0.0106	120	Pass
Blue	A	PE-Cy7	142	72.55	631	1	0.0200	14	Pass
Red	C	APC	373	29.76	670	-5	0.0239	87	Pass
Red	A	APC-Cy7	219	32.85	523	-5	0.0048	590	Pass
Violet	B	DAPI	98	64.06	442	-1	0.0817	4073	Pass
Violet	A	AmCyan	155	48.65	489	-1	0.0384	6434	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	-29.91	-29.75	1.22
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	16.99	12.00 - 18.00	N/A	N/A	27.94	28.24	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9757

Fluidics

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

Comments