

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: 12/03/2018 09:14 AM
Cytometer Baseline: 06/11/2018 02:56 PM
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	124791	-1	2.40	124992	2.41
Blue	F	SSC	125000	124332	-1	4.06	125473	3.96
Blue	E	FITC	19423	18786	-4	3.50	485	17.44
Blue	D	PE	36173	35426	-3	3.21	795	12.33
Blue	B	PE-Cy5	57286	56380	-2	3.72	1599	17.99
Blue	A	PE-Cy7	42868	42048	-2	4.85	976	24.90
Red	C	APC	68148	68326	0	2.53	1949	12.70
Red	A	APC-Cy7	46946	45612	-3	3.41	1397	11.38
Violet	B	DAPI	12571	12057	-5	3.57	810	12.45
Violet	A	AmCyan	45518	44434	-3	3.83	1382	9.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17782	5.27	534	-8	N/A	N/A	Pass
Blue	F	SSC	57806	3.78	381	-4	N/A	N/A	Pass
Blue	E	FITC	75	77.10	436	-6	0.0317	766	Pass
Blue	D	PE	156	44.19	477	-5	0.2646	308	Pass
Blue	B	PE-Cy5	251	50.60	611	-8	0.0107	149	Pass
Blue	A	PE-Cy7	147	69.59	627	-9	0.0225	21	Pass
Red	C	APC	378	30.07	672	-3	0.0249	131	Pass
Red	A	APC-Cy7	200	33.38	516	-5	0.0049	773	Pass
Violet	B	DAPI	99	65.09	442	1	0.0361	1717	Pass
Violet	A	AmCyan	151	51.00	490	3	0.0295	5262	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	-29.99	-29.76	1.22
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.50
Red	17.10	14.86 - 22.30	N/A	N/A	27.75	28.09	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10138

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60

Sample Pressure: 4.40

Comments