

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: 09/04/2017 10:43 AM
Cytometer Baseline: 06/19/2017 09:29 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	124687	-1	2.02	124771	2.01
Blue	F	SSC	125000	124906	-1	1.73	126047	1.68
Blue	E	FITC	17685	17043	-4	2.84	466	17.79
Blue	D	PE	28926	28136	-3	2.50	759	11.49
Blue	B	PE-Cy5	65854	64569	-2	4.43	1506	17.53
Blue	A	PE-Cy7	61678	59968	-3	5.82	814	27.72
Red	C	APC	76597	76133	-1	2.95	2421	12.42
Red	A	APC-Cy7	81407	81596	0	2.94	1496	11.84
Violet	B	DAPI	11628	11241	-4	4.22	788	12.25
Violet	A	AmCyan	47630	47222	-1	4.19	1379	10.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19187	6.41	546	-22	N/A	N/A	Pass
Blue	F	SSC	57969	1.39	387	-11	N/A	N/A	Pass
Blue	E	FITC	68	80.31	436	-15	0.0270	657	Pass
Blue	D	PE	129	47.77	471	-15	0.2677	356	Pass
Blue	B	PE-Cy5	234	50.03	609	-19	0.0104	197	Pass
Blue	A	PE-Cy7	129	75.78	631	-20	0.0184	24	Pass
Red	C	APC	503	28.07	686	-1	0.0199	159	Pass
Red	A	APC-Cy7	259	32.26	533	-1	0.0042	1381	Pass
Violet	B	DAPI	98	77.02	449	2	0.0829	6388	Pass
Violet	A	AmCyan	167	62.25	503	4	0.0308	8430	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	-30.25	-30.08	1.28
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.44
Red	20.06	14.79 - 22.19	N/A	N/A	28.90	29.24	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11297

Fluidics

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

Comments