

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: 11/19/2018 09:30 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	123825	-1	2.82	123938	2.82
Blue	F	SSC	125000	122129	-3	3.26	122991	3.25
Blue	E	FITC	19423	18773	-4	3.25	485	17.96
Blue	D	PE	36173	35550	-2	2.84	795	12.66
Blue	B	PE-Cy5	57286	55537	-4	3.52	1567	18.26
Blue	A	PE-Cy7	42868	41684	-3	4.61	962	25.79
Red	C	APC	68148	67944	-1	2.35	1939	12.79
Red	A	APC-Cy7	46946	45615	-3	2.86	1400	11.10
Violet	B	DAPI	12571	12037	-5	3.69	827	11.27
Violet	A	AmCyan	45518	44940	-2	3.64	1389	9.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15364	6.40	534	-8	N/A	N/A	Pass
Blue	F	SSC	56861	2.72	381	-4	N/A	N/A	Pass
Blue	E	FITC	73	81.69	438	-4	0.0301	841	Pass
Blue	D	PE	156	47.04	479	-3	0.2670	383	Pass
Blue	B	PE-Cy5	247	50.63	612	-7	0.0103	122	Pass
Blue	A	PE-Cy7	143	71.79	629	-7	0.0207	15	Pass
Red	C	APC	378	29.65	672	-3	0.0240	89	Pass
Red	A	APC-Cy7	201	33.16	514	-7	0.0050	892	Pass
Violet	B	DAPI	106	62.34	441	0	0.0610	3364	Pass
Violet	A	AmCyan	152	57.66	490	3	0.0311	7521	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	-30.26	-29.80	1.21
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.51
Red	17.34	14.86 - 22.30	N/A	N/A	27.64	28.06	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10047

Fluidics

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

Comments