

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: 05/13/2019 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	124426	-1	1.25	124477	1.26
Blue	F	SSC	125000	125847	0	2.17	126645	2.11
Blue	E	FITC	19383	18888	-3	2.82	486	17.61
Blue	D	PE	36216	35395	-3	2.01	790	12.69
Blue	B	PE-Cy5	55140	54063	-2	3.50	1542	18.70
Blue	A	PE-Cy7	42167	41214	-3	5.24	983	27.27
Red	C	APC	67610	66819	-2	2.44	1914	13.11
Red	A	APC-Cy7	50926	49702	-3	3.37	1604	11.00
Violet	B	DAPI	12515	12164	-3	2.23	891	9.82
Violet	A	AmCyan	46312	45782	-2	1.87	1423	8.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16277	6.40	552	10	N/A	N/A	Pass
Blue	F	SSC	58730	1.77	392	7	N/A	N/A	Pass
Blue	E	FITC	72	74.13	444	5	0.0266	439	Pass
Blue	D	PE	156	47.50	486	7	0.2573	379	Pass
Blue	B	PE-Cy5	238	51.94	619	7	0.0096	108	Pass
Blue	A	PE-Cy7	141	79.71	640	10	0.0182	29	Pass
Red	C	APC	374	30.91	676	1	0.0229	121	Pass
Red	A	APC-Cy7	230	32.38	525	-3	0.0050	969	Pass
Violet	B	DAPI	110	57.66	445	2	0.0746	3730	Pass
Violet	A	AmCyan	158	44.82	497	7	0.0289	3754	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	-30.03	-29.62	1.23
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	16.03	12.00 - 18.00	N/A	N/A	27.55	28.02	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9721

Fluidics

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

Comments