

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: 06/17/2019 09:02 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	123535	-2	1.17	123607	1.16
Blue	F	SSC	125000	123496	-2	2.08	124370	2.04
Blue	E	FITC	19383	18738	-4	2.56	483	16.78
Blue	D	PE	36216	35698	-2	1.86	802	12.36
Blue	B	PE-Cy5	55140	53654	-3	3.40	1522	18.20
Blue	A	PE-Cy7	42167	41419	-2	5.02	954	26.44
Red	C	APC	67610	67601	-1	2.33	1921	13.11
Red	A	APC-Cy7	50926	50537	-1	3.02	1564	11.20
Violet	B	DAPI	12515	12162	-3	2.25	819	10.62
Violet	A	AmCyan	46312	45624	-2	1.78	1423	8.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17271	6.47	549	7	N/A	N/A	Pass
Blue	F	SSC	57639	1.81	391	6	N/A	N/A	Pass
Blue	E	FITC	75	65.23	443	4	0.0277	284	Pass
Blue	D	PE	159	45.18	484	5	0.2552	331	Pass
Blue	B	PE-Cy5	235	51.65	616	4	0.0103	140	Pass
Blue	A	PE-Cy7	138	76.57	636	6	0.0201	25	Pass
Red	C	APC	377	30.80	676	1	0.0229	115	Pass
Red	A	APC-Cy7	223	33.53	526	-2	0.0049	946	Pass
Violet	B	DAPI	102	63.54	448	5	0.0717	3817	Pass
Violet	A	AmCyan	156	42.86	497	7	0.0307	3455	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	-29.85	-29.44	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	15.16	12.00 - 18.00	N/A	N/A	27.54	27.80	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10099

Fluidics

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

Comments