

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: 06/12/2017 09:54 AM
Cytometer Baseline: 04/25/2017 01:08 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (Expired)
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	124756	-1	1.58	124947	1.63
Blue	F	SSC	125000	125529	0	1.77	126363	1.78
Blue	E	FITC	19946	19425	-3	2.76	468	17.85
Blue	D	PE	36078	35932	-1	2.37	713	13.23
Blue	B	PE-Cy5	61463	60655	-2	4.25	1215	21.53
Blue	A	PE-Cy7	46858	46099	-2	5.78	632	33.93
Red	C	APC	66849	66212	-1	2.89	1587	15.82
Red	A	APC-Cy7	60738	59989	-2	2.63	985	15.42
Violet	B	DAPI	12064	11603	-4	2.52	820	10.74
Violet	A	AmCyan	48342	47590	-2	2.28	1488	9.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16312	5.67	546	-12	N/A	N/A	Pass
Blue	F	SSC	62046	1.72	390	-4	N/A	N/A	Pass
Blue	E	FITC	85	67.85	441	-8	0.0298	693	Pass
Blue	D	PE	178	40.98	482	-8	0.2788	368	Pass
Blue	B	PE-Cy5	254	51.39	622	-9	0.0095	128	Pass
Blue	A	PE-Cy7	130	79.07	641	-8	0.0162	8	Pass
Red	C	APC	449	30.64	692	2	0.0193	122	Pass
Red	A	APC-Cy7	236	36.85	541	4	0.0040	1443	Pass
Violet	B	DAPI	110	63.05	443	3	0.0829	5156	Pass
Violet	A	AmCyan	182	53.54	498	5	0.0269	6288	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	-29.81	-29.68	1.26
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.45
Red	17.24	14.79 - 22.19	N/A	N/A	28.47	28.79	1.37

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10079

Fluidics

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

Comments