

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: 06/07/2017 09:28 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	124074	-1	1.48	124195	1.48
Blue	F	SSC	125000	124441	-1	1.70	125249	1.69
Blue	E	FITC	19946	19077	-5	2.73	460	18.53
Blue	D	PE	36078	34725	-4	2.22	692	14.18
Blue	B	PE-Cy5	61463	59574	-4	4.09	1201	22.73
Blue	A	PE-Cy7	46858	45352	-4	5.64	614	35.07
Red	C	APC	66849	66123	-2	2.85	1582	15.14
Red	A	APC-Cy7	60738	59663	-2	2.60	974	15.30
Violet	B	DAPI	12064	11672	-4	2.92	823	10.71
Violet	A	AmCyan	48342	47526	-2	2.84	1491	9.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16822	5.70	560	2	N/A	N/A	Pass
Blue	F	SSC	61110	1.63	394	0	N/A	N/A	Pass
Blue	E	FITC	84	67.85	448	-1	0.0260	580	Pass
Blue	D	PE	172	42.01	489	-1	0.2038	259	Pass
Blue	B	PE-Cy5	246	54.62	631	0	0.0084	113	Pass
Blue	A	PE-Cy7	123	84.47	651	2	0.0155	15	Pass
Red	C	APC	448	30.10	687	-3	0.0220	198	Pass
Red	A	APC-Cy7	235	35.14	537	0	0.0040	932	Pass
Violet	B	DAPI	107	64.31	443	3	0.0883	5384	Pass
Violet	A	AmCyan	182	47.32	497	4	0.0282	4829	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	-30.16	-29.94	1.29
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.44
Red	19.72	14.79 - 22.19	N/A	N/A	28.84	29.08	1.36

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9893

Fluidics

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

Comments