

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: 05/15/2017 09:18 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	123488	-2	1.34	123554	1.32
Blue	F	SSC	125000	123877	-1	1.73	124750	1.68
Blue	E	FITC	19946	19229	-4	2.48	464	18.53
Blue	D	PE	36078	35517	-2	1.89	711	13.62
Blue	B	PE-Cy5	61463	59687	-3	3.78	1197	21.41
Blue	A	PE-Cy7	46858	45753	-3	5.20	598	33.83
Red	C	APC	66849	66376	-1	2.79	1604	15.23
Red	A	APC-Cy7	60738	59960	-2	2.57	942	15.00
Violet	B	DAPI	12064	11608	-4	2.77	803	11.30
Violet	A	AmCyan	48342	47469	-2	2.66	1493	10.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17443	5.52	548	-10	N/A	N/A	Pass
Blue	F	SSC	61021	1.61	393	-1	N/A	N/A	Pass
Blue	E	FITC	87	69.19	443	-6	0.0276	738	Pass
Blue	D	PE	177	41.32	484	-6	0.2331	303	Pass
Blue	B	PE-Cy5	246	53.20	623	-8	0.0097	180	Pass
Blue	A	PE-Cy7	122	81.19	641	-8	0.0172	14	Pass
Red	C	APC	453	29.38	687	-3	0.0207	116	Pass
Red	A	APC-Cy7	224	35.94	534	-3	0.0045	1304	Pass
Violet	B	DAPI	105	67.88	443	3	0.0784	5310	Pass
Violet	A	AmCyan	181	58.47	497	4	0.0273	7883	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)

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: 05/15/2017 09:18 AM
Cytometer Baseline: 04/25/2017 01:08 PM
P/F: Pass

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	-30.24	-30.10	1.28
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.45
Red	20.47 (1)	11.71 - 17.57	N/A	N/A	28.86	29.21	1.36

(1) Red Laser power is out of the specification range.

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9647

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60

Sample Pressure: 4.30

Comments