

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: 10/02/2017 10:46 AM
Cytometer Baseline: 06/19/2017 09:29 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	123652	-2	3.12	123793	3.07
Blue	F	SSC	125000	124031	-1	2.51	125165	2.47
Blue	E	FITC	17685	17297	-3	3.75	474	18.87
Blue	D	PE	28926	28301	-3	3.58	765	12.54
Blue	B	PE-Cy5	65854	64802	-2	5.45	1507	19.24
Blue	A	PE-Cy7	61678	60673	-2	6.83	817	30.02
Red	C	APC	76597	76239	-1	2.95	2435	12.49
Red	A	APC-Cy7	81407	81061	-1	2.68	1468	12.26
Violet	B	DAPI	11628	11411	-2	3.83	802	12.04
Violet	A	AmCyan	47630	47070	-2	3.88	1378	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19334	7.04	558	-10	N/A	N/A	Pass
Blue	F	SSC	56921	2.31	393	-5	N/A	N/A	Pass
Blue	E	FITC	69	89.57	445	-6	0.0263	920	Pass
Blue	D	PE	130	52.14	479	-7	0.2421	420	Pass
Blue	B	PE-Cy5	230	54.67	621	-7	0.0087	184	Pass
Blue	A	PE-Cy7	130	81.46	644	-7	0.0159	26	Pass
Red	C	APC	502	28.30	687	0	0.0194	150	Pass
Red	A	APC-Cy7	253	33.12	534	0	0.0039	1140	Pass
Violet	B	DAPI	98	77.02	450	3	0.0803	5978	Pass
Violet	A	AmCyan	164	63.21	503	4	0.0289	7905	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	-30.23	-29.97	1.28
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.44
Red	19.50	14.79 - 22.19	N/A	N/A	28.67	29.15	1.35

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11078

Fluidics

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

Comments