

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: 05/02/2016 10:21 AM
Cytometer Baseline: 12/15/2015 01:27 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	123906	-1	3.16	124186	3.13
Blue	F	SSC	125000	122800	-2	1.95	123525	1.87
Blue	E	FITC	19512	18609	-5	4.86	447	27.62
Blue	D	PE	34487	33289	-4	4.37	652	22.60
Blue	B	PE-Cy5	58285	58099	-1	5.83	1151	38.43
Blue	A	PE-Cy7	46791	45793	-3	8.25	596	68.68
Red	C	APC	58704	59052	0	4.64	1385	20.03
Red	A	APC-Cy7	53810	52619	-3	5.13	851	22.22
Violet	B	DAPI	11790	11028	-7	5.83	798	18.56
Violet	A	AmCyan	45340	44114	-3	6.28	1355	15.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16397	10.80	584	-6	N/A	N/A	Pass
Blue	F	SSC	63752	1.59	426	5	N/A	N/A	Pass
Blue	E	FITC	78	107.08	483	9	0.0121	851	Pass
Blue	D	PE	166	68.93	533	16	0.0934	412	Pass
Blue	B	PE-Cy5	232	104.43	720	43	0.0032	354	Pass
Blue	A	PE-Cy7	96	224.64	771	43	0.0046	84	Pass
Red	C	APC	403	39.04	744	39	0.0124	173	Pass
Red	A	APC-Cy7	211	51.10	596	35	0.0020	1463	Pass
Violet	B	DAPI	110	104.27	515	38	0.0252	5286	Pass
Violet	A	AmCyan	170	74.13	573	46	0.0102	4624	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	59.62	47.71 - 71.57	N/A	N/A	-29.72	-29.46	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.46
Red	14.98	12.75 - 19.13	N/A	N/A	28.74	28.94	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10201

Fluidics

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

Comments