

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: 01/11/2016 09:55 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
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	121973	-3	3.41	122068	3.35
Blue	F	SSC	125000	120592	-4	2.57	121422	2.60
Blue	E	FITC	19512	18536	-6	3.51	446	25.35
Blue	D	PE	34487	33648	-3	3.35	656	18.86
Blue	B	PE-Cy5	58285	56724	-3	5.65	1132	31.65
Blue	A	PE-Cy7	46791	46022	-2	8.18	626	58.62
Red	C	APC	58704	58077	-2	4.07	1363	17.66
Red	A	APC-Cy7	53810	51811	-4	6.05	845	20.17
Violet	B	DAPI	11790	10887	-8	4.32	833	14.60
Violet	A	AmCyan	45340	43970	-4	4.17	1365	14.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15256	15.89	584	-6	N/A	N/A	Pass
Blue	F	SSC	60442	2.08	417	-4	N/A	N/A	Pass
Blue	E	FITC	79	102.43	471	-3	0.0155	1046	Pass
Blue	D	PE	166	58.79	516	-1	0.1442	451	Pass
Blue	B	PE-Cy5	236	84.98	680	3	0.0047	390	Pass
Blue	A	PE-Cy7	115	176.06	740	12	0.0062	94	Pass
Red	C	APC	387	34.00	709	4	0.0159	117	Pass
Red	A	APC-Cy7	208	45.07	569	8	0.0024	1202	Pass
Violet	B	DAPI	113	84.72	476	-1	0.0410	6002	Pass
Violet	A	AmCyan	176	77.52	532	5	0.0142	8326	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	-30.16	-29.90	1.16
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.44
Red	17.41	13.20 - 19.80	N/A	N/A	29.12	29.40	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9598

Fluidics

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

Comments