

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: 10/03/2016 09:48 AM
Cytometer Baseline: 12/15/2015 01:27 PM (Expired)
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	125852	0	2.15	125988	2.09
Blue	F	SSC	125000	123271	-2	3.19	124221	3.17
Blue	E	FITC	19512	18764	-4	2.48	451	17.96
Blue	D	PE	34487	33743	-3	1.65	674	14.55
Blue	B	PE-Cy5	58285	57280	-2	4.14	1140	24.82
Blue	A	PE-Cy7	46791	46565	-1	6.12	613	44.60
Red	C	APC	58704	59483	1	3.01	1427	18.32
Red	A	APC-Cy7	53810	52651	-3	3.37	807	20.02
Violet	B	DAPI	11790	11123	-6	3.61	757	14.28
Violet	A	AmCyan	45340	44407	-3	3.72	1397	12.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19254	6.23	579	-11	N/A	N/A	Pass
Blue	F	SSC	60711	3.24	408	-13	N/A	N/A	Pass
Blue	E	FITC	83	60.65	458	-16	0.0247	301	Pass
Blue	D	PE	169	43.47	501	-16	0.1945	278	Pass
Blue	B	PE-Cy5	240	60.40	659	-18	0.0072	169	Pass
Blue	A	PE-Cy7	122	112.74	700	-28	0.0101	33	Pass
Red	C	APC	403	35.36	727	22	0.0138	92	Pass
Red	A	APC-Cy7	195	47.66	575	14	0.0025	1400	Pass
Violet	B	DAPI	97	85.21	473	-4	0.0408	4123	Pass
Violet	A	AmCyan	171	75.58	526	-1	0.0168	8653	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	-29.22	-28.80	1.12
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.27
Red	14.65	12.75 - 19.13	N/A	N/A	29.42	29.82	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14668

Fluidics

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

Comments