

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: 08/03/2015 09:26 AM
Cytometer Baseline: 06/08/2015 10:24 AM
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	123828	-1	2.00	124080	2.01
Blue	F	SSC	125000	121582	-3	2.56	122388	2.53
Blue	E	FITC	20752	19885	-5	3.10	480	22.15
Blue	D	PE	34971	33958	-3	2.26	672	16.47
Blue	B	PE-Cy5	59521	58177	-3	4.41	1156	26.68
Blue	A	PE-Cy7	45673	44627	-3	7.04	590	46.35
Red	C	APC	57794	57292	-1	2.67	1364	16.52
Red	A	APC-Cy7	53499	52545	-2	3.46	839	16.33
Violet	B	DAPI	11638	11231	-4	3.10	809	11.97
Violet	A	AmCyan	43958	42851	-3	2.59	1341	10.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16349	10.43	580	7	N/A	N/A	Pass
Blue	F	SSC	60668	2.36	414	4	N/A	N/A	Pass
Blue	E	FITC	86	82.93	467	1	0.0179	661	Pass
Blue	D	PE	168	52.86	505	3	0.1936	484	Pass
Blue	B	PE-Cy5	243	66.09	648	10	0.0063	203	Pass
Blue	A	PE-Cy7	115	121.99	695	19	0.0095	46	Pass
Red	C	APC	386	31.70	694	7	0.0173	88	Pass
Red	A	APC-Cy7	201	38.40	543	6	0.0037	1277	Pass
Violet	B	DAPI	116	66.41	466	1	0.0677	5768	Pass
Violet	A	AmCyan	170	50.47	516	2	0.0202	4187	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	-30.07	-29.82	1.21
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.47
Red	15.79	13.20 - 19.80	N/A	N/A	28.83	29.20	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11189

Fluidics

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

Comments