

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: 10/12/2015 09:06 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	120610	-4	2.60	120845	2.47
Blue	F	SSC	125000	114096	-9	2.96	114911	2.90
Blue	E	FITC	20752	19376	-7	3.17	471	23.94
Blue	D	PE	34971	33864	-4	2.40	669	17.48
Blue	B	PE-Cy5	59521	57934	-3	4.63	1149	28.67
Blue	A	PE-Cy7	45673	44141	-4	7.29	583	51.65
Red	C	APC	57794	56606	-3	2.72	1343	16.35
Red	A	APC-Cy7	53499	52307	-3	3.85	842	16.66
Violet	B	DAPI	11638	10848	-7	3.17	826	12.00
Violet	A	AmCyan	43958	41927	-5	2.67	1309	11.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16130	10.95	581	8	N/A	N/A	Pass
Blue	F	SSC	57143	2.52	411	1	N/A	N/A	Pass
Blue	E	FITC	83	96.24	468	2	0.0169	968	Pass
Blue	D	PE	168	54.15	509	7	0.1507	378	Pass
Blue	B	PE-Cy5	241	71.88	656	18	0.0055	226	Pass
Blue	A	PE-Cy7	111	140.46	708	32	0.0077	53	Pass
Red	C	APC	378	31.84	694	7	0.0180	116	Pass
Red	A	APC-Cy7	201	38.40	547	10	0.0035	1030	Pass
Violet	B	DAPI	111	68.55	465	0	0.0545	4765	Pass
Violet	A	AmCyan	163	61.68	517	3	0.0187	6107	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	59.64	47.71 - 71.57	N/A	N/A	-30.26	-29.98	1.19
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.46
Red	17.68	13.20 - 19.80	N/A	N/A	28.98	29.29	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9555

Fluidics

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

Comments