

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: User
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 02/08/2015 09:04 PM
Cytometer Baseline: 02/01/2015 10:20 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 95893, **Expiration Date:** 07/31/2014 (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	123412	-2	2.36	123292	2.18
Blue	F	SSC	125000	122714	-2	2.89	121686	2.11
Blue	E	FITC	34392	33350	-4	2.09	1364	10.16
Blue	D	PE	41701	40943	-2	1.61	1371	8.66
Blue	B	PE-Cy5	54030	53181	-2	4.22	1987	17.16
Blue	A	PE-Cy7	41605	40872	-2	8.58	1043	29.53
Red	C	APC	59536	59785	0	4.47	3596	10.35
Red	A	APC-Cy7	48911	47926	-3	6.58	1636	12.59
Violet	B	DAPI	28673	28177	-2	2.55	1369	8.62
Violet	A	AmCyan	114812	114987	0	2.31	5008	6.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17685	8.22	578	9	N/A	N/A	Pass
Blue	F	SSC	61197	1.46	400	5	N/A	N/A	Pass
Blue	E	FITC	176	41.11	454	0	0.0252	677	Pass
Blue	D	PE	310	26.96	488	2	0.2583	438	Pass
Blue	B	PE-Cy5	313	46.38	618	3	0.0089	141	Pass
Blue	A	PE-Cy7	115	96.94	658	7	0.0159	32	Pass
Red	C	APC	335	33.26	677	0	0.0216	113	Pass
Red	A	APC-Cy7	165	42.20	528	-3	0.0052	2041	Pass
Violet	B	DAPI	163	49.42	455	-4	0.0503	4370	Pass
Violet	A	AmCyan	370	51.32	525	0	0.0148	14694	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 Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.71 - 71.57	N/A	N/A	-30.85	-30.49	1.19
Blue	20.26	16.21 - 24.31	1.44	1.14 - 1.70	0.00	0.00	1.48
Red	16.44	13.20 - 19.80	N/A	N/A	29.61	29.87	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9538

Fluidics

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

Comments