

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: 05/09/2017 09:15 AM
Cytometer Baseline: 04/25/2017 01:08 PM
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	124643	-1	1.27	124805	1.25
Blue	F	SSC	125000	124237	-1	2.11	125177	2.11
Blue	E	FITC	19946	19425	-3	2.46	469	17.09
Blue	D	PE	36078	35766	-1	1.81	716	13.62
Blue	B	PE-Cy5	61463	60647	-2	3.58	1214	21.23
Blue	A	PE-Cy7	46858	45885	-3	5.06	605	34.38
Red	C	APC	66849	67558	1	2.84	1630	16.03
Red	A	APC-Cy7	60738	60201	-1	2.75	936	15.80
Violet	B	DAPI	12064	11685	-4	2.37	808	10.74
Violet	A	AmCyan	48342	47519	-2	2.01	1496	9.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18004	5.26	547	-11	N/A	N/A	Pass
Blue	F	SSC	61125	2.07	396	2	N/A	N/A	Pass
Blue	E	FITC	86	60.31	444	-5	0.0288	393	Pass
Blue	D	PE	179	39.78	485	-5	0.2131	240	Pass
Blue	B	PE-Cy5	251	51.72	626	-5	0.0098	144	Pass
Blue	A	PE-Cy7	124	80.23	643	-6	0.0163	6	Pass
Red	C	APC	461	31.14	699	9	0.0186	129	Pass
Red	A	APC-Cy7	221	38.44	544	7	0.0041	1454	Pass
Violet	B	DAPI	104	65.09	441	1	0.0811	4729	Pass
Violet	A	AmCyan	180	49.07	495	2	0.0270	4971	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	59.80	47.71 - 71.57	N/A	N/A	-29.83	-29.57	1.27
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.46
Red	17.90 (1)	11.71 - 17.57	N/A	N/A	28.43	28.80	1.37

(1) Red Laser power is out of the specification range.

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9834

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60

Sample Pressure: 4.30

Comments