

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: 06/15/2015 10:02 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	123671	-2	1.51	123873	1.52
Blue	F	SSC	125000	123827	-1	1.85	124617	1.80
Blue	E	FITC	20752	19778	-5	2.82	478	20.98
Blue	D	PE	34971	34034	-3	1.93	677	16.12
Blue	B	PE-Cy5	59521	58048	-3	4.09	1158	24.68
Blue	A	PE-Cy7	45673	45243	-1	7.03	606	42.10
Red	C	APC	57794	57968	0	2.55	1378	15.98
Red	A	APC-Cy7	53499	52783	-2	3.32	845	15.67
Violet	B	DAPI	11638	11050	-6	3.63	804	12.80
Violet	A	AmCyan	43958	42548	-4	3.03	1334	10.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16331	9.16	574	1	N/A	N/A	Pass
Blue	F	SSC	61797	1.72	410	0	N/A	N/A	Pass
Blue	E	FITC	85	76.69	464	-2	0.0190	511	Pass
Blue	D	PE	170	49.85	501	-1	0.1776	377	Pass
Blue	B	PE-Cy5	244	58.95	637	-1	0.0072	133	Pass
Blue	A	PE-Cy7	119	106.16	677	1	0.0111	30	Pass
Red	C	APC	388	30.85	691	4	0.0187	99	Pass
Red	A	APC-Cy7	201	36.40	537	0	0.0040	1018	Pass
Violet	B	DAPI	115	68.67	469	4	0.0514	4755	Pass
Violet	A	AmCyan	171	53.63	520	6	0.0204	5133	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	-30.33	-29.90	1.22
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.47
Red	15.73	13.20 - 19.80	N/A	N/A	28.88	29.20	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9818

Fluidics

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

Comments