

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: 04/25/2016 10:39 AM
Cytometer Baseline: 12/15/2015 01:27 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	124564	-1	3.07	124774	3.13
Blue	F	SSC	125000	122208	-3	2.74	122859	2.76
Blue	E	FITC	19512	18975	-3	4.74	456	24.79
Blue	D	PE	34487	34269	-1	4.68	670	21.95
Blue	B	PE-Cy5	58285	57858	-1	6.39	1131	36.59
Blue	A	PE-Cy7	46791	46563	-1	8.36	597	66.45
Red	C	APC	58704	58506	-1	4.77	1392	19.69
Red	A	APC-Cy7	53810	53295	-1	5.33	839	21.83
Violet	B	DAPI	11790	11158	-6	5.64	793	17.26
Violet	A	AmCyan	45340	43313	-5	6.11	1329	13.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16271	13.71	590	0	N/A	N/A	Pass
Blue	F	SSC	63207	2.05	426	5	N/A	N/A	Pass
Blue	E	FITC	82	80.63	483	9	0.0121	302	Pass
Blue	D	PE	171	64.79	532	15	0.0909	334	Pass
Blue	B	PE-Cy5	231	90.25	713	36	0.0033	167	Pass
Blue	A	PE-Cy7	96	205.79	767	39	0.0049	59	Pass
Red	C	APC	401	37.39	732	27	0.0124	102	Pass
Red	A	APC-Cy7	206	50.83	586	25	0.0021	1529	Pass
Violet	B	DAPI	110	92.87	501	24	0.0263	4101	Pass
Violet	A	AmCyan	167	53.72	556	29	0.0121	2319	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	-30.50	-29.62	1.21
Blue	20.24	16.21 - 24.31	1.46	1.14 - 1.70	0.00	0.00	1.44
Red	15.90	12.75 - 19.13	N/A	N/A	28.28	29.13	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9546

Fluidics

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

Comments