

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: 05/22/2017 09:14 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	125887	0	1.32	126034	1.33
Blue	F	SSC	125000	124957	-1	1.67	125844	1.64
Blue	E	FITC	19946	19540	-3	2.56	473	18.59
Blue	D	PE	36078	35737	-1	1.88	714	13.81
Blue	B	PE-Cy5	61463	60904	-1	3.83	1222	22.11
Blue	A	PE-Cy7	46858	46507	-1	5.24	610	35.13
Red	C	APC	66849	66765	-1	2.71	1604	15.13
Red	A	APC-Cy7	60738	60386	-1	2.52	960	15.37
Violet	B	DAPI	12064	11773	-3	2.84	820	11.07
Violet	A	AmCyan	48342	47393	-2	2.70	1489	9.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17524	5.99	558	0	N/A	N/A	Pass
Blue	F	SSC	61320	1.62	395	1	N/A	N/A	Pass
Blue	E	FITC	86	71.66	448	-1	0.0282	824	Pass
Blue	D	PE	179	43.04	489	-1	0.2536	393	Pass
Blue	B	PE-Cy5	250	54.85	630	-1	0.0091	170	Pass
Blue	A	PE-Cy7	122	83.72	648	-1	0.0158	10	Pass
Red	C	APC	454	29.83	687	-3	0.0216	173	Pass
Red	A	APC-Cy7	227	35.51	534	-3	0.0040	826	Pass
Violet	B	DAPI	108	66.28	444	4	0.0838	5534	Pass
Violet	A	AmCyan	181	55.34	497	4	0.0290	7416	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	59.82	47.71 - 71.57	N/A	N/A	-30.34	-30.11	1.28
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.45
Red	20.53	14.79 - 22.19	N/A	N/A	28.94	29.23	1.36

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9767

Fluidics

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

Comments