

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: 02/15/2015 08:54 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	122552	-2	2.34	122515	2.18
Blue	F	SSC	125000	122670	-2	2.90	121677	2.20
Blue	E	FITC	34392	33783	-2	2.14	1381	9.68
Blue	D	PE	41701	41200	-2	1.69	1376	8.61
Blue	B	PE-Cy5	54030	52989	-2	4.10	1963	17.21
Blue	A	PE-Cy7	41605	41034	-2	8.22	1053	28.94
Red	C	APC	59536	59109	-1	4.26	3554	10.35
Red	A	APC-Cy7	48911	48458	-1	6.29	1652	12.28
Violet	B	DAPI	28673	28154	-2	2.71	1334	7.82
Violet	A	AmCyan	114812	116761	1	2.53	5085	5.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16836	8.15	577	8	N/A	N/A	Pass
Blue	F	SSC	61264	1.67	402	7	N/A	N/A	Pass
Blue	E	FITC	173	36.75	454	0	0.0263	330	Pass
Blue	D	PE	313	25.18	489	3	0.2366	304	Pass
Blue	B	PE-Cy5	310	44.48	617	2	0.0087	54	Pass
Blue	A	PE-Cy7	113	94.35	656	5	0.0163	25	Pass
Red	C	APC	333	32.38	678	1	0.0210	63	Pass
Red	A	APC-Cy7	167	40.74	528	-3	0.0055	1890	Pass
Violet	B	DAPI	158	44.59	449	-10	0.0679	4374	Pass
Violet	A	AmCyan	376	43.77	523	-2	0.0169	11725	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	-30.86	-30.50	1.19
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.48
Red	15.89	13.20 - 19.80	N/A	N/A	29.59	29.80	1.28

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10165

Fluidics

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

Comments