

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: 04/18/2016 09:51 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	122392	-3	3.03	122622	3.06
Blue	F	SSC	125000	122582	-2	2.82	123341	2.72
Blue	E	FITC	19512	18403	-6	4.61	439	26.34
Blue	D	PE	34487	33870	-2	4.65	658	20.81
Blue	B	PE-Cy5	58285	56913	-3	6.47	1153	36.23
Blue	A	PE-Cy7	46791	45155	-4	11.86	666	64.00
Red	C	APC	58704	58086	-2	4.33	1376	19.01
Red	A	APC-Cy7	53810	50549	-7	11.10	917	20.30
Violet	B	DAPI	11790	11048	-7	5.16	809	15.25
Violet	A	AmCyan	45340	43119	-5	5.72	1314	14.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16651	17.36	582	-8	N/A	N/A	Pass
Blue	F	SSC	62955	1.79	422	1	N/A	N/A	Pass
Blue	E	FITC	78	101.59	477	3	0.0135	825	Pass
Blue	D	PE	167	63.91	526	9	0.1170	433	Pass
Blue	B	PE-Cy5	239	93.78	706	29	0.0034	300	Pass
Blue	A	PE-Cy7	117	199.51	766	38	0.0049	109	Pass
Red	C	APC	402	36.19	729	24	0.0134	124	Pass
Red	A	APC-Cy7	231	48.66	588	27	0.0038	6214	Pass
Violet	B	DAPI	107	89.96	490	13	0.0419	6065	Pass
Violet	A	AmCyan	168	68.83	545	18	0.0134	5430	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	59.59	47.71 - 71.57	N/A	N/A	-30.07	-29.74	1.21
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.44
Red	16.72	12.75 - 19.13	N/A	N/A	28.92	29.16	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10310

Fluidics

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

Comments