

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: 09/26/2016 09:26 AM
Cytometer Baseline: 12/15/2015 01:27 PM (Expired)
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	124920	-1	1.98	125089	2.03
Blue	F	SSC	125000	124733	-1	3.19	125594	3.21
Blue	E	FITC	19512	18720	-5	2.50	452	22.36
Blue	D	PE	34487	33891	-2	1.62	673	15.86
Blue	B	PE-Cy5	58285	58008	-1	4.06	1151	26.36
Blue	A	PE-Cy7	46791	47144	0	5.95	620	46.40
Red	C	APC	58704	59670	1	2.94	1426	18.11
Red	A	APC-Cy7	53810	53437	-1	3.45	838	19.37
Violet	B	DAPI	11790	11158	-6	3.78	775	15.34
Violet	A	AmCyan	45340	44293	-3	3.80	1387	15.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18351	6.15	583	-7	N/A	N/A	Pass
Blue	F	SSC	62051	3.27	410	-11	N/A	N/A	Pass
Blue	E	FITC	83	85.36	459	-15	0.0188	858	Pass
Blue	D	PE	170	46.13	502	-15	0.1535	246	Pass
Blue	B	PE-Cy5	244	68.37	661	-16	0.0067	315	Pass
Blue	A	PE-Cy7	123	121.03	703	-25	0.0095	47	Pass
Red	C	APC	400	35.89	726	21	0.0145	145	Pass
Red	A	APC-Cy7	203	46.33	574	13	0.0027	1557	Pass
Violet	B	DAPI	101	91.24	476	-1	0.0350	4449	Pass
Violet	A	AmCyan	169	91.69	529	2	0.0131	10045	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	-29.68	-29.13	1.11
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.26
Red	16.03	12.75 - 19.13	N/A	N/A	29.54	30.16	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13137

Fluidics

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

Comments