

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: 07/03/2017 09:26 AM
Cytometer Baseline: 06/19/2017 09:29 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	120254	-4	2.10	120476	2.10
Blue	F	SSC	125000	121383	-3	2.64	122605	2.68
Blue	E	FITC	17685	16540	-7	3.59	446	17.70
Blue	D	PE	28926	27322	-6	3.38	733	12.52
Blue	B	PE-Cy5	65854	63135	-5	4.94	1460	19.03
Blue	A	PE-Cy7	61678	59220	-4	6.17	810	30.34
Red	C	APC	76597	75798	-2	2.85	2401	12.31
Red	A	APC-Cy7	81407	81455	0	2.39	1506	11.62
Violet	B	DAPI	11628	11210	-4	3.16	864	10.18
Violet	A	AmCyan	47630	46686	-2	3.12	1350	9.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16383	5.66	560	-8	N/A	N/A	Pass
Blue	F	SSC	55847	2.36	395	-3	N/A	N/A	Pass
Blue	E	FITC	64	72.48	446	-5	0.0242	269	Pass
Blue	D	PE	125	49.42	482	-4	0.2109	284	Pass
Blue	B	PE-Cy5	224	52.27	623	-5	0.0087	117	Pass
Blue	A	PE-Cy7	125	81.80	647	-4	0.0149	14	Pass
Red	C	APC	499	27.80	685	-2	0.0202	151	Pass
Red	A	APC-Cy7	257	31.21	530	-4	0.0042	983	Pass
Violet	B	DAPI	107	62.52	446	-1	0.0950	5435	Pass
Violet	A	AmCyan	162	48.24	501	2	0.0268	3524	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	-30.14	-29.93	1.29
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.44
Red	19.40	14.79 - 22.19	N/A	N/A	28.93	29.17	1.36

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9608

Fluidics

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

Comments