

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: 04/20/2015 09:33 AM
Cytometer Baseline: 03/02/2015 10:16 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 24628 **Expiration Date:** 08/31/2015
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	124938	-1	1.30	125085	1.30
Blue	F	SSC	125000	124294	-1	1.76	125136	1.75
Blue	E	FITC	19605	18692	-5	2.69	434	22.62
Blue	D	PE	34814	34328	-2	1.85	782	14.52
Blue	B	PE-Cy5	54892	54282	-2	3.79	2003	18.21
Blue	A	PE-Cy7	46343	45581	-2	6.56	1372	26.57
Red	C	APC	53666	53857	0	2.56	2064	13.05
Red	A	APC-Cy7	51403	51002	-1	2.89	2131	9.67
Violet	B	DAPI	11521	11014	-5	2.44	721	12.60
Violet	A	AmCyan	44635	43770	-2	1.99	1138	11.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17621	7.39	566	-13	N/A	N/A	Pass
Blue	F	SSC	60722	1.65	407	-3	N/A	N/A	Pass
Blue	E	FITC	85	79.24	458	-3	0.0182	651	Pass
Blue	D	PE	181	45.80	498	-1	0.1649	292	Pass
Blue	B	PE-Cy5	269	55.09	632	1	0.0080	147	Pass
Blue	A	PE-Cy7	157	84.52	671	5	0.0136	21	Pass
Red	C	APC	407	30.63	691	6	0.0197	116	Pass
Red	A	APC-Cy7	243	31.88	536	6	0.0043	802	Pass
Violet	B	DAPI	109	66.96	462	-8	0.0650	4864	Pass
Violet	A	AmCyan	181	53.91	516	-7	0.0210	5244	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	-30.32	-30.03	1.18
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.47
Red	18.49	13.20 - 19.80	N/A	N/A	28.89	29.36	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10918

Fluidics

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

Comments