

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: 06/26/2017 09:21 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	126884	1	1.92	127083	1.84
Blue	F	SSC	125000	128208	2	2.25	129329	2.25
Blue	E	FITC	17685	17398	-2	3.19	473	17.18
Blue	D	PE	28926	28791	-1	2.85	775	11.87
Blue	B	PE-Cy5	65854	66080	0	4.58	1520	17.94
Blue	A	PE-Cy7	61678	62035	0	5.64	834	28.22
Red	C	APC	76597	76147	-1	2.92	2407	12.54
Red	A	APC-Cy7	81407	80907	-1	2.33	1459	12.00
Violet	B	DAPI	11628	11419	-2	3.01	845	10.61
Violet	A	AmCyan	47630	46841	-2	2.84	1355	9.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17255	5.46	552	-16	N/A	N/A	Pass
Blue	F	SSC	59400	1.99	393	-5	N/A	N/A	Pass
Blue	E	FITC	67	75.71	441	-10	0.0274	463	Pass
Blue	D	PE	131	48.88	477	-9	0.2473	344	Pass
Blue	B	PE-Cy5	236	48.82	615	-13	0.0099	110	Pass
Blue	A	PE-Cy7	134	74.93	638	-13	0.0176	16	Pass
Red	C	APC	498	28.28	687	0	0.0194	139	Pass
Red	A	APC-Cy7	251	32.86	531	-3	0.0040	1210	Pass
Violet	B	DAPI	105	65.09	447	0	0.0858	5013	Pass
Violet	A	AmCyan	164	49.81	500	1	0.0303	4613	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	-29.96	-29.67	1.29
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.44
Red	17.39	14.79 - 22.19	N/A	N/A	28.59	28.83	1.36

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10564

Fluidics

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

Comments