

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator	
Cytometer Name:	FACSCantoII	Institution:	N/A	
Serial Number:	V96300958	Software:	BD FACSDiva 8.0	
Input Device:	Carousel	Date:	07/27/2015 09:23 AM	
Setup Bead Position:	1	Cytometer Baseline:	06/08/2015 10:24 AM	
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	125237	0	2.22	125305	2.26
Blue	F	SSC	125000	124194	-1	2.59	125256	2.52
Blue	E	FITC	20752	19928	-4	3.13	475	20.66
Blue	D	PE	34971	34439	-2	2.34	688	16.47
Blue	B	PE-Cy5	59521	58610	-2	4.30	1168	25.58
Blue	A	PE-Cy7	45673	45195	-2	6.93	594	45.51
Red	C	APC	57794	57654	-1	2.57	1384	15.94
Red	A	APC-Cy7	53499	52486	-2	3.45	815	16.40
Violet	B	DAPI	11638	11196	-4	3.09	756	12.74
Violet	A	AmCyan	43958	42699	-3	2.63	1346	9.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17281	9.68	574	1	N/A	N/A	Pass
Blue	F	SSC	60518	2.52	411	1	N/A	N/A	Pass
Blue	E	FITC	88	74.13	464	-2	0.0206	559	Pass
Blue	D	PE	173	49.00	502	0	0.1513	294	Pass
Blue	B	PE-Cy5	244	62.52	644	6	0.0067	168	Pass
Blue	A	PE-Cy7	123	109.43	689	13	0.0096	25	Pass
Red	C	APC	389	31.14	692	5	0.0188	124	Pass
Red	A	APC-Cy7	195	37.99	542	5	0.0037	975	Pass
Violet	B	DAPI	100	72.32	464	-1	0.0488	3552	Pass
Violet	A	AmCyan	164	46.47	513	-1	0.0192	2821	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	59.64	47.71 - 71.57	N/A	N/A	-30.09	-29.66	1.23
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.47
Red	15.65	13.20 - 19.80	N/A	N/A	28.74	29.08	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9927

Fluidics

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

Comments