

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:	08/16/2016 10:16 AM
Setup Bead Position:	1	Cytometer Baseline:	12/15/2015 01:27 PM (Expired)
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 (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	124675	-1	1.82	124944	1.82
Blue	F	SSC	125000	123695	-2	2.90	124561	2.85
Blue	E	FITC	19512	18558	-5	2.53	445	22.22
Blue	D	PE	34487	33556	-3	1.68	664	15.46
Blue	B	PE-Cy5	58285	57635	-2	4.06	1149	26.47
Blue	A	PE-Cy7	46791	46670	-1	6.19	619	44.82
Red	C	APC	58704	58954	0	2.96	1401	18.29
Red	A	APC-Cy7	53810	52692	-3	3.78	837	19.44
Violet	B	DAPI	11790	11300	-5	3.01	812	12.88
Violet	A	AmCyan	45340	44802	-2	3.01	1396	11.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17598	5.57	584	-6	N/A	N/A	Pass
Blue	F	SSC	61841	2.77	414	-7	N/A	N/A	Pass
Blue	E	FITC	80	89.43	458	-16	0.0210	1075	Pass
Blue	D	PE	168	48.67	500	-17	0.2089	432	Pass
Blue	B	PE-Cy5	241	68.61	659	-18	0.0066	298	Pass
Blue	A	PE-Cy7	123	120.46	700	-28	0.0104	60	Pass
Red	C	APC	393	36.08	727	22	0.0142	132	Pass
Red	A	APC-Cy7	202	46.28	573	12	0.0026	1514	Pass
Violet	B	DAPI	107	75.67	471	-6	0.0493	4613	Pass
Violet	A	AmCyan	172	62.58	525	-2	0.0165	5348	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	-28.93	-28.69	1.12
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.28
Red	14.29	12.75 - 19.13	N/A	N/A	29.42	29.72	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9933

Fluidics

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

Comments