

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:	09/19/2016 09:43 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	124901	-1	2.29	125035	2.27
Blue	F	SSC	125000	123238	-2	3.18	124215	3.14
Blue	E	FITC	19512	18763	-4	2.50	451	21.24
Blue	D	PE	34487	33870	-2	1.63	676	15.02
Blue	B	PE-Cy5	58285	57662	-2	4.06	1148	25.72
Blue	A	PE-Cy7	46791	47048	0	5.90	615	44.33
Red	C	APC	58704	59416	1	3.04	1414	18.26
Red	A	APC-Cy7	53810	53237	-2	3.56	825	19.74
Violet	B	DAPI	11790	11167	-6	3.85	765	14.74
Violet	A	AmCyan	45340	44505	-2	3.87	1391	12.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18851	5.69	576	-14	N/A	N/A	Pass
Blue	F	SSC	61011	3.10	408	-13	N/A	N/A	Pass
Blue	E	FITC	82	84.39	457	-17	0.0225	1016	Pass
Blue	D	PE	168	45.70	500	-17	0.1881	307	Pass
Blue	B	PE-Cy5	241	67.89	658	-19	0.0071	346	Pass
Blue	A	PE-Cy7	121	118.92	699	-29	0.0107	56	Pass
Red	C	APC	397	35.76	725	20	0.0141	117	Pass
Red	A	APC-Cy7	198	47.09	573	12	0.0026	1454	Pass
Violet	B	DAPI	99	86.62	476	-1	0.0373	4034	Pass
Violet	A	AmCyan	168	74.62	529	2	0.0177	8559	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	-29.19	-28.96	1.12
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.27
Red	15.77	12.75 - 19.13	N/A	N/A	29.57	29.92	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 15311

Fluidics

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

Comments