

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:	07/04/2016 09:53 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	124242	-1	1.52	124372	1.53
Blue	F	SSC	125000	124083	-1	2.13	124947	2.14
Blue	E	FITC	19512	18764	-4	2.40	457	20.65
Blue	D	PE	34487	33491	-3	1.63	666	14.74
Blue	B	PE-Cy5	58285	57625	-2	3.88	1143	24.60
Blue	A	PE-Cy7	46791	46313	-2	5.64	620	41.40
Red	C	APC	58704	59276	0	2.85	1410	17.49
Red	A	APC-Cy7	53810	52535	-3	3.40	840	18.32
Violet	B	DAPI	11790	11242	-5	2.33	789	11.29
Violet	A	AmCyan	45340	44196	-3	2.09	1376	9.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17152	5.55	580	-10	N/A	N/A	Pass
Blue	F	SSC	61963	2.16	410	-11	N/A	N/A	Pass
Blue	E	FITC	81	81.08	455	-19	0.0219	825	Pass
Blue	D	PE	165	45.62	496	-21	0.2055	334	Pass
Blue	B	PE-Cy5	244	63.32	653	-24	0.0077	311	Pass
Blue	A	PE-Cy7	128	105.69	693	-35	0.0118	48	Pass
Red	C	APC	398	34.65	716	11	0.0157	158	Pass
Red	A	APC-Cy7	201	42.48	564	3	0.0028	1076	Pass
Violet	B	DAPI	105	65.55	462	-15	0.0665	4366	Pass
Violet	A	AmCyan	169	46.82	515	-12	0.0232	3679	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	-29.06	-28.95	1.11
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.27
Red	15.23	12.75 - 19.13	N/A	N/A	29.62	29.84	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10027

Fluidics

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

Comments