

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:	09/28/2020 09:26 AM
Setup Bead Position:	1	Cytometer Baseline:	06/24/2019 09:23 AM (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:	72518	Expiration Date:	09/30/2019 (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	125352	0	2.46	125562	2.45
Blue	F	SSC	125000	124556	-1	2.11	125476	2.06
Blue	E	FITC	19687	19156	-3	2.54	493	17.44
Blue	D	PE	35036	34469	-2	1.76	775	12.84
Blue	B	PE-Cy5	53922	52918	-2	3.44	1495	18.93
Blue	A	PE-Cy7	41443	40627	-2	5.15	924	27.45
Red	C	APC	64207	64130	-1	2.72	1830	12.71
Red	A	APC-Cy7	48785	48016	-2	2.64	1461	11.11
Violet	B	DAPI	11947	11574	-4	3.61	783	10.40
Violet	A	AmCyan	48649	47662	-3	3.55	1492	8.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18028	13.84	559	-1	N/A	N/A	Pass
Blue	F	SSC	57784	2.04	391	-5	N/A	N/A	Pass
Blue	E	FITC	77	66.86	448	0	0.0252	294	Pass
Blue	D	PE	154	46.97	484	-1	0.2312	336	Pass
Blue	B	PE-Cy5	229	52.39	619	-1	0.0094	91	Pass
Blue	A	PE-Cy7	132	78.39	637	-2	0.0186	19	Pass
Red	C	APC	358	29.98	670	-8	0.0251	138	Pass
Red	A	APC-Cy7	207	34.00	522	-8	0.0050	1008	Pass
Violet	B	DAPI	97	62.52	444	-6	0.0971	4979	Pass
Violet	A	AmCyan	166	40.72	503	-2	0.0328	3340	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	47.84 - 71.76	N/A	N/A	-30.08	-29.76	1.17
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.53
Red	17.62	12.80 - 19.20	N/A	N/A	27.80	28.19	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9576

Fluidics

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

Comments