

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	09/19/2022 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/10/2022 09:13 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: 82158 **Expiration Date:** 08/31/2020 (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	125355	0	2.78	125479	2.75
Blue	F	SSC	125000	122852	-2	2.03	123468	2.00
Blue	E	FITC	20683	19987	-4	2.80	422	22.16
Blue	D	PE	34454	33628	-3	1.90	714	14.98
Blue	B	PE-Cy5	48076	47077	-3	4.06	1359	22.47
Blue	A	PE-Cy7	34574	34172	-2	5.75	737	34.19
Red	C	APC	54895	55286	0	2.83	1798	13.54
Red	A	APC-Cy7	41657	41442	-1	2.80	1232	12.24
Violet	B	DAPI	11284	10769	-5	5.47	707	13.49
Violet	A	AmCyan	44139	43697	-2	5.35	1073	13.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16407	18.44	579	14	N/A	N/A	Pass
Blue	F	SSC	56707	1.71	406	8	N/A	N/A	Pass
Blue	E	FITC	76	78.49	470	11	0.0184	402	Pass
Blue	D	PE	144	52.51	501	11	0.1616	278	Pass
Blue	B	PE-Cy5	246	56.95	642	13	0.0073	99	Pass
Blue	A	PE-Cy7	138	85.41	654	10	0.0143	21	Pass
Red	C	APC	400	30.14	681	10	0.0221	173	Pass
Red	A	APC-Cy7	262	30.39	529	4	0.0049	1454	Pass
Violet	B	DAPI	96	77.75	460	11	0.0957	8824	Pass
Violet	A	AmCyan	154	64.51	523	16	0.0213	6591	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	59.80	47.84 - 71.76	N/A	N/A	-30.15	-29.75	1.18
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.50
Red	16.32	12.72 - 19.08	N/A	N/A	27.94	28.24	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9995

Fluidics

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

Comments