

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:	11/09/2020 09:31 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	123171	-2	1.81	123266	1.86
Blue	F	SSC	125000	123875	-1	1.65	124721	1.63
Blue	E	FITC	19687	18828	-5	2.55	487	17.25
Blue	D	PE	35036	34133	-3	1.90	763	12.80
Blue	B	PE-Cy5	53922	52192	-4	3.65	1478	18.15
Blue	A	PE-Cy7	41443	40125	-4	5.40	939	27.09
Red	C	APC	64207	63337	-2	2.54	1801	13.37
Red	A	APC-Cy7	48785	47570	-3	2.74	1504	11.41
Violet	B	DAPI	11947	11678	-3	2.49	826	9.74
Violet	A	AmCyan	48649	47816	-2	2.18	1487	8.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14688	11.43	545	-15	N/A	N/A	Pass
Blue	F	SSC	57825	1.25	390	-6	N/A	N/A	Pass
Blue	E	FITC	73	71.04	444	-4	0.0268	371	Pass
Blue	D	PE	151	46.42	481	-4	0.2309	315	Pass
Blue	B	PE-Cy5	230	51.72	615	-5	0.0105	162	Pass
Blue	A	PE-Cy7	134	75.81	632	-7	0.0185	13	Pass
Red	C	APC	351	30.33	674	-4	0.0216	46	Pass
Red	A	APC-Cy7	215	32.95	523	-7	0.0045	564	Pass
Violet	B	DAPI	103	58.46	444	-6	0.0922	4532	Pass
Violet	A	AmCyan	166	44.16	505	0	0.0313	4015	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	-29.54	-29.26	1.18
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.53
Red	15.39	12.80 - 19.20	N/A	N/A	27.44	27.74	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9551

Fluidics

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

Comments