

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:	02/19/2024 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/07/2023 11:15 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	124295	-1	1.08	124516	1.07
Blue	F	SSC	125000	122560	-2	2.39	123216	2.39
Blue	E	FITC	20274	19719	-3	2.61	414	19.59
Blue	D	PE	33957	32699	-4	1.92	690	13.33
Blue	B	PE-Cy5	48011	47308	-2	3.56	1359	19.20
Blue	A	PE-Cy7	35963	35204	-3	5.04	791	28.27
Red	C	APC	55970	55854	-1	2.51	1811	13.05
Red	A	APC-Cy7	43527	43014	-2	2.84	1297	12.01
Violet	B	DAPI	12286	11809	-4	2.10	860	10.37
Violet	A	AmCyan	41615	40265	-4	1.82	988	12.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17740	2.62	541	0	N/A	N/A	Pass
Blue	F	SSC	56595	1.81	389	3	N/A	N/A	Pass
Blue	E	FITC	75	75.58	445	0	0.0281	657	Pass
Blue	D	PE	142	47.88	476	0	0.2373	349	Pass
Blue	B	PE-Cy5	257	48.57	612	0	0.0103	139	Pass
Blue	A	PE-Cy7	158	66.51	628	0	0.0200	11	Pass
Red	C	APC	405	28.73	675	3	0.0237	149	Pass
Red	A	APC-Cy7	274	29.38	526	-2	0.0050	1216	Pass
Violet	B	DAPI	115	60.23	445	-5	0.0913	5549	Pass
Violet	A	AmCyan	144	60.54	504	-1	0.0211	5765	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	-29.33	-28.90	1.20
Blue	20.24	16.19 - 24.29	1.44	1.14 - 1.70	0.00	0.00	1.48
Red	18.71	14.40 - 21.60	N/A	N/A	28.53	28.98	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9534

Fluidics

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

Comments