

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:	02/12/2024 09:22 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	124850	-1	0.90	125033	0.88
Blue	F	SSC	125000	123248	-2	1.34	123854	1.28
Blue	E	FITC	20274	19583	-4	2.22	410	17.81
Blue	D	PE	33957	32750	-4	1.47	692	12.41
Blue	B	PE-Cy5	48011	46429	-4	3.23	1339	17.81
Blue	A	PE-Cy7	35963	35370	-2	4.95	804	26.71
Red	C	APC	55970	55764	-1	2.43	1808	12.98
Red	A	APC-Cy7	43527	43172	-1	2.77	1299	11.80
Violet	B	DAPI	12286	11846	-4	2.07	855	9.76
Violet	A	AmCyan	41615	40323	-4	1.70	991	10.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18075	3.93	533	-8	N/A	N/A	Pass
Blue	F	SSC	57475	1.00	385	-1	N/A	N/A	Pass
Blue	E	FITC	75	68.43	440	-5	0.0345	587	Pass
Blue	D	PE	142	43.87	471	-5	0.2626	298	Pass
Blue	B	PE-Cy5	253	45.75	605	-7	0.0121	165	Pass
Blue	A	PE-Cy7	160	62.78	623	-5	0.0223	11	Pass
Red	C	APC	402	27.77	672	0	0.0234	79	Pass
Red	A	APC-Cy7	275	28.83	524	-4	0.0052	1202	Pass
Violet	B	DAPI	115	55.60	444	-6	0.1027	5039	Pass
Violet	A	AmCyan	143	50.66	502	-3	0.0256	4488	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)

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:	02/12/2024 09:22 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

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	-29.45	-29.18	1.20
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.45
Red	15.64	14.40 - 21.60	N/A	N/A	28.86	29.16	1.28

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9700

Fluidics

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

Comments