

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0
Date: 11/02/2021 09:08 AM
Cytometer Baseline: 01/07/2021 10:46 AM
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	126256	1	2.07	126340	2.08
Blue	F	SSC	125000	123552	-2	2.18	124049	2.19
Blue	E	FITC	20730	20408	-2	2.64	429	19.25
Blue	D	PE	37062	36870	-1	1.77	782	13.14
Blue	B	PE-Cy5	46445	45686	-2	3.71	1333	19.96
Blue	A	PE-Cy7	33824	33071	-3	5.44	734	30.75
Red	C	APC	57179	56926	-1	3.42	1843	13.50
Red	A	APC-Cy7	43213	42470	-2	3.15	1302	12.08
Violet	B	DAPI	11061	10776	-3	3.39	693	11.83
Violet	A	AmCyan	46201	45022	-3	3.14	1098	10.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16621	13.66	560	-5	N/A	N/A	Pass
Blue	F	SSC	57138	2.04	396	4	N/A	N/A	Pass
Blue	E	FITC	78	68.43	456	4	0.0252	362	Pass
Blue	D	PE	159	48.95	493	2	0.2673	445	Pass
Blue	B	PE-Cy5	242	51.57	624	3	0.0093	137	Pass
Blue	A	PE-Cy7	141	75.71	638	1	0.0173	22	Pass
Red	C	APC	414	29.09	678	3	0.0226	130	Pass
Red	A	APC-Cy7	277	29.37	529	1	0.0050	1304	Pass
Violet	B	DAPI	95	64.06	448	5	0.0682	3717	Pass
Violet	A	AmCyan	160	46.88	510	8	0.0233	3202	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
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0
Date: 11/02/2021 09:08 AM
Cytometer Baseline: 01/07/2021 10:46 AM
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	59.82	47.84 - 71.76	N/A	N/A	-29.85	-29.43	1.18
Blue	20.25	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.51
Red	17.92	12.72 - 19.08	N/A	N/A	27.69	28.03	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9576

Fluidics

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

Comments