

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: 11/08/2021 09:23 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	125773	0	2.39	125908	2.36
Blue	F	SSC	125000	123525	-2	2.54	124042	2.52
Blue	E	FITC	20730	20205	-3	2.68	425	20.43
Blue	D	PE	37062	36575	-2	1.97	775	13.79
Blue	B	PE-Cy5	46445	45313	-3	3.77	1326	20.08
Blue	A	PE-Cy7	33824	32848	-3	5.44	736	30.56
Red	C	APC	57179	56986	-1	3.23	1847	13.28
Red	A	APC-Cy7	43213	42424	-2	3.10	1304	12.09
Violet	B	DAPI	11061	10601	-5	3.58	684	12.21
Violet	A	AmCyan	46201	44802	-4	3.35	1100	11.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17183	15.14	557	-8	N/A	N/A	Pass
Blue	F	SSC	57537	2.50	394	2	N/A	N/A	Pass
Blue	E	FITC	78	74.13	453	1	0.0231	474	Pass
Blue	D	PE	159	47.56	490	-1	0.1961	275	Pass
Blue	B	PE-Cy5	243	51.25	620	-1	0.0091	124	Pass
Blue	A	PE-Cy7	145	72.98	635	-2	0.0172	14	Pass
Red	C	APC	411	29.37	680	5	0.0237	174	Pass
Red	A	APC-Cy7	278	30.07	531	3	0.0050	1667	Pass
Violet	B	DAPI	97	66.09	447	4	0.0736	4775	Pass
Violet	A	AmCyan	159	50.15	510	8	0.0224	3705	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: 11/08/2021 09:23 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	-29.97	-29.47	1.17
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	17.60	12.72 - 19.08	N/A	N/A	27.50	28.09	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10329

Fluidics

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

Comments