

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: 02/22/2021 09:09 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	124270	-1	1.69	124396	1.74
Blue	F	SSC	125000	121765	-3	1.45	122329	1.47
Blue	E	FITC	20730	20174	-3	2.43	422	20.80
Blue	D	PE	37062	36584	-2	1.66	775	13.08
Blue	B	PE-Cy5	46445	45615	-2	3.70	1315	19.71
Blue	A	PE-Cy7	33824	32674	-4	5.55	711	30.41
Red	C	APC	57179	56418	-2	2.78	1825	12.82
Red	A	APC-Cy7	43213	42371	-2	2.76	1257	11.79
Violet	B	DAPI	11061	10688	-4	2.23	706	11.72
Violet	A	AmCyan	46201	45775	-1	1.81	1121	11.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14746	11.65	552	-13	N/A	N/A	Pass
Blue	F	SSC	56648	1.13	391	-1	N/A	N/A	Pass
Blue	E	FITC	76	80.06	449	-3	0.0240	627	Pass
Blue	D	PE	159	48.01	488	-3	0.2625	416	Pass
Blue	B	PE-Cy5	246	51.25	617	-4	0.0098	180	Pass
Blue	A	PE-Cy7	139	74.13	631	-6	0.0181	21	Pass
Red	C	APC	408	28.13	670	-5	0.0252	157	Pass
Red	A	APC-Cy7	268	28.34	523	-5	0.0053	977	Pass
Violet	B	DAPI	96	66.09	441	-2	0.0666	4134	Pass
Violet	A	AmCyan	164	54.68	503	1	0.0255	5612	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: 02/22/2021 09:09 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	59.80	47.84 - 71.76	N/A	N/A	-29.88	-29.64	1.16
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	18.24	12.80 - 19.20	N/A	N/A	27.70	28.05	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9536

Fluidics

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

Comments