

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: 03/22/2021 09:24 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	124254	-1	2.21	124464	2.22
Blue	F	SSC	125000	124652	-1	1.78	125256	1.81
Blue	E	FITC	20730	20067	-4	2.53	417	19.48
Blue	D	PE	37062	36632	-2	1.80	774	13.43
Blue	B	PE-Cy5	46445	45453	-3	3.66	1309	20.19
Blue	A	PE-Cy7	33824	32562	-4	5.33	722	29.71
Red	C	APC	57179	56747	-1	2.69	1844	13.00
Red	A	APC-Cy7	43213	42689	-2	2.86	1290	12.04
Violet	B	DAPI	11061	10771	-3	2.09	771	10.38
Violet	A	AmCyan	46201	45791	-1	1.80	1125	10.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13783	16.16	551	-14	N/A	N/A	Pass
Blue	F	SSC	57896	1.32	392	0	N/A	N/A	Pass
Blue	E	FITC	76	71.16	449	-3	0.0259	430	Pass
Blue	D	PE	158	47.04	489	-2	0.2149	295	Pass
Blue	B	PE-Cy5	245	49.73	617	-4	0.0090	79	Pass
Blue	A	PE-Cy7	143	70.98	631	-6	0.0184	15	Pass
Red	C	APC	413	28.99	676	1	0.0244	191	Pass
Red	A	APC-Cy7	275	28.51	525	-3	0.0049	850	Pass
Violet	B	DAPI	106	57.02	441	-2	0.0819	4472	Pass
Violet	A	AmCyan	165	50.47	505	3	0.0295	5501	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: 03/22/2021 09:24 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	-29.82	-29.59	1.17
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	17.52	12.80 - 19.20	N/A	N/A	27.74	28.04	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9502

Fluidics

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

Comments