

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 03/18/2019 09:04 AM
Cytometer Baseline: 12/17/2018 10:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	124669	-1	1.76	124842	1.69
Blue	F	SSC	125000	123117	-2	1.88	124032	1.78
Blue	E	FITC	19383	19000	-2	2.89	490	17.79
Blue	D	PE	36216	36004	-1	2.03	808	12.47
Blue	B	PE-Cy5	55140	53645	-3	3.42	1518	18.59
Blue	A	PE-Cy7	42167	40989	-3	4.86	951	26.36
Red	C	APC	67610	67061	-1	2.65	1910	12.84
Red	A	APC-Cy7	50926	50159	-2	3.15	1548	11.32
Violet	B	DAPI	12515	12233	-3	2.61	830	13.10
Violet	A	AmCyan	46312	45661	-2	2.87	1423	9.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15806	7.05	541	-1	N/A	N/A	Pass
Blue	F	SSC	56921	1.63	390	5	N/A	N/A	Pass
Blue	E	FITC	75	77.10	441	2	0.0282	644	Pass
Blue	D	PE	160	46.16	482	3	0.2588	358	Pass
Blue	B	PE-Cy5	238	53.49	613	1	0.0100	183	Pass
Blue	A	PE-Cy7	140	74.93	632	2	0.0199	22	Pass
Red	C	APC	371	30.91	673	-2	0.0247	166	Pass
Red	A	APC-Cy7	220	33.53	524	-4	0.0048	845	Pass
Violet	B	DAPI	102	65.31	446	3	0.0271	1279	Pass
Violet	A	AmCyan	155	51.37	495	5	0.0276	4910	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
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 03/18/2019 09:04 AM
Cytometer Baseline: 12/17/2018 10:11 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	-30.14	-29.69	1.22
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.51
Red	16.39	12.00 - 18.00	N/A	N/A	27.71	28.16	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9512

Fluidics

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

Comments