

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: 09/24/2018 09:58 AM
Cytometer Baseline: 06/11/2018 02:56 PM
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	124045	-1	2.28	124087	2.39
Blue	F	SSC	125000	120808	-4	3.70	121966	3.78
Blue	E	FITC	19423	18746	-4	3.32	509	16.37
Blue	D	PE	36173	34881	-4	2.99	932	11.37
Blue	B	PE-Cy5	57286	55863	-3	3.66	1346	17.09
Blue	A	PE-Cy7	42868	41330	-4	5.30	619	26.59
Red	C	APC	68148	67827	-1	2.14	2145	11.26
Red	A	APC-Cy7	46946	46311	-2	3.99	934	11.23
Violet	B	DAPI	12571	12015	-5	3.01	837	10.40
Violet	A	AmCyan	45518	44737	-2	2.73	1286	8.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17502	4.11	529	-13	N/A	N/A	Pass
Blue	F	SSC	56154	3.58	379	-6	N/A	N/A	Pass
Blue	E	FITC	74	69.59	435	-7	0.0296	424	Pass
Blue	D	PE	158	44.19	478	-4	0.2383	288	Pass
Blue	B	PE-Cy5	206	46.88	589	-30	0.0139	56	Pass
Blue	A	PE-Cy7	101	70.81	592	-44	0.0308	4	Pass
Red	C	APC	443	25.01	656	-19	0.0291	111	Pass
Red	A	APC-Cy7	162	31.60	488	-33	0.0088	961	Pass
Violet	B	DAPI	104	62.79	444	3	0.0838	4631	Pass
Violet	A	AmCyan	153	41.51	491	4	0.0340	3542	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: 09/24/2018 09:58 AM
Cytometer Baseline: 06/11/2018 02:56 PM
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	-29.81	-29.40	1.22
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	15.26	14.86 - 22.30	N/A	N/A	27.24	27.69	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11643

Fluidics

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

Comments