

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: 08/03/2020 09:13 AM
 Cytometer Baseline: 06/24/2019 09:23 AM (Expired)
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019 (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	123780	-1	1.69	123851	1.66
Blue	F	SSC	125000	122079	-3	1.34	122894	1.32
Blue	E	FITC	19687	19025	-4	2.50	495	16.47
Blue	D	PE	35036	34550	-2	1.76	776	12.55
Blue	B	PE-Cy5	53922	52223	-4	3.52	1476	18.26
Blue	A	PE-Cy7	41443	39788	-4	5.24	903	26.84
Red	C	APC	64207	63981	-1	2.59	1820	12.95
Red	A	APC-Cy7	48785	47344	-3	2.58	1454	10.74
Violet	B	DAPI	11947	11505	-4	3.09	811	9.77
Violet	A	AmCyan	48649	48011	-2	2.84	1493	8.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14601	11.40	547	-13	N/A	N/A	Pass
Blue	F	SSC	56950	1.01	387	-9	N/A	N/A	Pass
Blue	E	FITC	74	63.54	445	-3	0.0272	191	Pass
Blue	D	PE	154	45.51	482	-3	0.2389	316	Pass
Blue	B	PE-Cy5	226	51.09	614	-6	0.0102	108	Pass
Blue	A	PE-Cy7	128	75.90	630	-9	0.0195	12	Pass
Red	C	APC	357	30.75	669	-9	0.0240	147	Pass
Red	A	APC-Cy7	206	32.31	518	-12	0.0053	836	Pass
Violet	B	DAPI	102	58.61	441	-9	0.1093	5511	Pass
Violet	A	AmCyan	167	41.01	501	-4	0.0330	3468	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)

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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	-29.73	-29.43	1.19
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.56	12.80 - 19.20	N/A	N/A	27.56	27.89	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9698

Fluidics

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

Comments