

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: 11/04/2019 09:04 AM
Cytometer Baseline: 06/24/2019 09:23 AM
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	123960	-1	1.53	124126	1.46
Blue	F	SSC	125000	122215	-3	1.41	123053	1.39
Blue	E	FITC	19687	18970	-4	2.52	491	16.02
Blue	D	PE	35036	34660	-2	1.74	777	12.14
Blue	B	PE-Cy5	53922	52757	-3	3.90	1482	18.34
Blue	A	PE-Cy7	41443	39652	-5	6.10	906	27.02
Red	C	APC	64207	63729	-1	3.41	1801	12.90
Red	A	APC-Cy7	48785	47360	-3	3.17	1453	12.18
Violet	B	DAPI	11947	11677	-3	3.29	809	10.23
Violet	A	AmCyan	48649	47668	-3	3.18	1481	8.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14865	9.28	541	-19	N/A	N/A	Pass
Blue	F	SSC	57000	1.07	387	-9	N/A	N/A	Pass
Blue	E	FITC	75	62.27	441	-7	0.0300	221	Pass
Blue	D	PE	154	45.06	479	-6	0.2762	368	Pass
Blue	B	PE-Cy5	228	51.06	611	-9	0.0103	113	Pass
Blue	A	PE-Cy7	125	76.81	628	-11	0.0193	12	Pass
Red	C	APC	348	31.21	669	-9	0.0257	196	Pass
Red	A	APC-Cy7	200	35.85	520	-10	0.0040	550	Pass
Violet	B	DAPI	102	60.34	439	-11	0.0920	4786	Pass
Violet	A	AmCyan	166	39.18	495	-10	0.0366	3436	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	-29.94	-29.65	1.19
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	18.13 (1)	12.00 - 18.00	N/A	N/A	27.77	28.06	1.31

(1) Red Laser power is out of the specification range.

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9593

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60

Sample Pressure: 4.40

Comments