

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: 08/24/2020 09:28 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	122803	-2	1.68	122911	1.65
Blue	F	SSC	125000	123151	-2	1.69	123995	1.63
Blue	E	FITC	19687	18818	-5	2.54	487	16.73
Blue	D	PE	35036	33860	-4	1.83	761	12.21
Blue	B	PE-Cy5	53922	51319	-5	3.44	1446	17.71
Blue	A	PE-Cy7	41443	40364	-3	5.09	920	26.35
Red	C	APC	64207	63833	-1	2.68	1816	12.89
Red	A	APC-Cy7	48785	47572	-3	2.57	1450	10.81
Violet	B	DAPI	11947	11588	-4	3.41	794	10.38
Violet	A	AmCyan	48649	48022	-2	3.21	1497	8.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15072	10.31	542	-18	N/A	N/A	Pass
Blue	F	SSC	57476	1.27	385	-11	N/A	N/A	Pass
Blue	E	FITC	76	62.27	441	-7	0.0263	176	Pass
Blue	D	PE	151	43.43	478	-7	0.2443	275	Pass
Blue	B	PE-Cy5	223	48.74	608	-12	0.0109	86	Pass
Blue	A	PE-Cy7	131	74.13	627	-12	0.0201	12	Pass
Red	C	APC	357	30.20	670	-8	0.0242	123	Pass
Red	A	APC-Cy7	204	32.52	520	-10	0.0053	781	Pass
Violet	B	DAPI	100	61.05	443	-7	0.0909	4762	Pass
Violet	A	AmCyan	167	43.11	502	-3	0.0318	3810	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	-29.91	-29.64	1.18
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	17.55	12.80 - 19.20	N/A	N/A	27.73	28.03	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9573

Fluidics

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

Comments