

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: 07/15/2019 09:30 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
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	123586	-2	2.52	123650	2.45
Blue	F	SSC	125000	122871	-2	1.94	123737	1.88
Blue	E	FITC	19687	19208	-3	2.38	488	15.75
Blue	D	PE	35036	33832	-4	1.69	757	11.96
Blue	B	PE-Cy5	53922	51851	-4	3.38	1485	17.22
Blue	A	PE-Cy7	41443	40777	-2	5.37	990	25.36
Red	C	APC	64207	64132	-1	2.79	1817	12.74
Red	A	APC-Cy7	48785	48226	-2	2.90	1598	10.80
Violet	B	DAPI	11947	11414	-5	2.72	750	9.93
Violet	A	AmCyan	48649	48025	-2	2.59	1481	7.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17964	12.28	533	-27	N/A	N/A	Pass
Blue	F	SSC	57362	1.80	384	-12	N/A	N/A	Pass
Blue	E	FITC	77	58.14	435	-13	0.0306	142	Pass
Blue	D	PE	149	43.87	471	-14	0.2727	319	Pass
Blue	B	PE-Cy5	230	47.13	604	-16	0.0113	86	Pass
Blue	A	PE-Cy7	148	68.78	626	-13	0.0205	12	Pass
Red	C	APC	354	29.87	666	-12	0.0251	122	Pass
Red	A	APC-Cy7	230	32.38	524	-6	0.0050	1158	Pass
Violet	B	DAPI	94	59.69	434	-16	0.1016	4448	Pass
Violet	A	AmCyan	161	35.94	489	-16	0.0403	2682	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	-29.72	-29.47	1.23
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.58	12.00 - 18.00	N/A	N/A	27.55	27.86	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9576

Fluidics

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

Comments