

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: 05/18/2020 09:17 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	125508	0	2.04	125574	2.07
Blue	F	SSC	125000	124763	-1	1.74	125644	1.69
Blue	E	FITC	19687	19448	-2	2.49	500	17.23
Blue	D	PE	35036	35054	0	1.72	787	12.40
Blue	B	PE-Cy5	53922	53736	-1	3.64	1518	18.10
Blue	A	PE-Cy7	41443	40931	-2	5.48	937	26.41
Red	C	APC	64207	63736	-1	2.36	1817	12.54
Red	A	APC-Cy7	48785	47247	-4	2.81	1466	11.12
Violet	B	DAPI	11947	11568	-4	2.62	778	10.57
Violet	A	AmCyan	48649	47770	-2	2.43	1486	9.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18240	9.50	549	-11	N/A	N/A	Pass
Blue	F	SSC	58133	1.63	388	-8	N/A	N/A	Pass
Blue	E	FITC	78	69.77	444	-4	0.0274	422	Pass
Blue	D	PE	156	45.06	480	-5	0.2455	318	Pass
Blue	B	PE-Cy5	235	51.02	614	-6	0.0105	140	Pass
Blue	A	PE-Cy7	136	74.96	632	-7	0.0203	20	Pass
Red	C	APC	353	30.26	666	-12	0.0259	169	Pass
Red	A	APC-Cy7	209	32.84	519	-11	0.0049	741	Pass
Violet	B	DAPI	96	66.90	439	-11	0.0961	5828	Pass
Violet	A	AmCyan	162	55.87	496	-9	0.0356	8211	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	-29.88	-29.57	1.18
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.53
Red	17.63	12.80 - 19.20	N/A	N/A	27.67	28.04	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11560

Fluidics

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

Comments