

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: 08/19/2019 09:28 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	123835	-1	2.53	123960	2.54
Blue	F	SSC	125000	124411	-1	1.72	125331	1.68
Blue	E	FITC	19687	19191	-3	2.66	487	16.68
Blue	D	PE	35036	34104	-3	1.98	756	12.55
Blue	B	PE-Cy5	53922	52666	-3	3.91	1535	18.55
Blue	A	PE-Cy7	41443	40194	-4	6.19	1049	26.29
Red	C	APC	64207	63901	-1	3.30	1800	13.27
Red	A	APC-Cy7	48785	47516	-3	3.11	1691	11.24
Violet	B	DAPI	11947	11666	-3	2.36	778	9.85
Violet	A	AmCyan	48649	48461	-1	2.05	1487	7.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17305	7.78	542	-18	N/A	N/A	Pass
Blue	F	SSC	57928	1.33	388	-8	N/A	N/A	Pass
Blue	E	FITC	76	68.20	441	-7	0.0305	415	Pass
Blue	D	PE	149	46.90	478	-7	0.2618	367	Pass
Blue	B	PE-Cy5	239	50.99	615	-5	0.0096	109	Pass
Blue	A	PE-Cy7	155	74.13	642	3	0.0182	30	Pass
Red	C	APC	352	31.10	667	-11	0.0235	131	Pass
Red	A	APC-Cy7	247	33.30	532	2	0.0043	1310	Pass
Violet	B	DAPI	96	61.16	438	-12	0.1023	4806	Pass
Violet	A	AmCyan	162	38.44	494	-11	0.0359	2858	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	-29.68	-29.16	1.20
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	15.61	12.00 - 18.00	N/A	N/A	27.11	27.62	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9799

Fluidics

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

Comments