

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: 11/02/2020 09:24 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	124245	-1	1.61	124390	1.61
Blue	F	SSC	125000	123833	-1	1.48	124679	1.45
Blue	E	FITC	19687	19087	-4	2.47	495	16.47
Blue	D	PE	35036	33737	-4	1.71	758	12.26
Blue	B	PE-Cy5	53922	52677	-3	3.47	1488	18.57
Blue	A	PE-Cy7	41443	40354	-3	4.98	938	26.08
Red	C	APC	64207	64392	0	2.55	1838	12.99
Red	A	APC-Cy7	48785	47296	-4	2.72	1470	10.92
Violet	B	DAPI	11947	11627	-3	2.99	818	10.03
Violet	A	AmCyan	48649	48104	-2	2.79	1498	8.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14872	10.69	542	-18	N/A	N/A	Pass
Blue	F	SSC	57967	1.11	387	-9	N/A	N/A	Pass
Blue	E	FITC	76	65.23	442	-6	0.0287	295	Pass
Blue	D	PE	148	44.33	478	-7	0.2415	275	Pass
Blue	B	PE-Cy5	230	51.06	611	-9	0.0098	92	Pass
Blue	A	PE-Cy7	137	72.48	628	-11	0.0201	13	Pass
Red	C	APC	357	30.64	672	-6	0.0235	121	Pass
Red	A	APC-Cy7	207	33.05	521	-9	0.0051	896	Pass
Violet	B	DAPI	102	61.35	444	-6	0.1037	5763	Pass
Violet	A	AmCyan	168	45.62	505	0	0.0296	4160	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	-29.84	-29.57	1.18
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	17.64	12.80 - 19.20	N/A	N/A	27.68	28.02	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9700

Fluidics

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

Comments