

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0
Date: 06/07/2021 09:27 AM
Cytometer Baseline: 01/07/2021 10:46 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82158 **Expiration Date:** 08/31/2020 (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	123667	-2	1.84	123773	1.85
Blue	F	SSC	125000	124676	-1	1.66	125369	1.65
Blue	E	FITC	20730	20166	-3	2.51	426	19.59
Blue	D	PE	37062	36998	-1	1.78	787	13.48
Blue	B	PE-Cy5	46445	46165	-1	3.83	1336	19.93
Blue	A	PE-Cy7	33824	32828	-3	5.62	712	31.36
Red	C	APC	57179	57258	0	3.01	1854	13.34
Red	A	APC-Cy7	43213	42652	-2	3.13	1251	12.86
Violet	B	DAPI	11061	10684	-4	5.42	682	14.46
Violet	A	AmCyan	46201	45649	-2	5.44	1119	11.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15933	11.21	556	-9	N/A	N/A	Pass
Blue	F	SSC	57177	1.47	397	5	N/A	N/A	Pass
Blue	E	FITC	77	66.86	453	1	0.0226	252	Pass
Blue	D	PE	159	48.01	492	1	0.2164	318	Pass
Blue	B	PE-Cy5	245	50.65	622	1	0.0094	116	Pass
Blue	A	PE-Cy7	140	74.13	635	-2	0.0167	9	Pass
Red	C	APC	413	29.46	681	6	0.0231	163	Pass
Red	A	APC-Cy7	267	30.83	532	4	0.0044	1000	Pass
Violet	B	DAPI	93	67.56	446	3	0.0326	1775	Pass
Violet	A	AmCyan	160	45.03	510	8	0.0283	3502	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	-29.80	-29.24	1.19
Blue	20.25	16.19 - 24.29	1.45	1.14 - 1.70	0.00	0.00	1.52
Red	16.10	12.72 - 19.08	N/A	N/A	27.37	27.84	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9772

Fluidics

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

Comments