

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: 08/23/2021 09:59 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	125026	0	2.96	125135	2.95
Blue	F	SSC	125000	124341	-1	1.81	124998	1.81
Blue	E	FITC	20730	20106	-4	2.67	426	20.58
Blue	D	PE	37062	36814	-1	1.84	782	13.79
Blue	B	PE-Cy5	46445	45272	-3	4.04	1310	20.25
Blue	A	PE-Cy7	33824	33136	-3	6.10	715	31.41
Red	C	APC	57179	56705	-1	3.36	1840	13.65
Red	A	APC-Cy7	43213	42726	-2	3.15	1257	12.49
Violet	B	DAPI	11061	10436	-6	5.76	653	13.33
Violet	A	AmCyan	46201	44117	-5	5.57	1081	12.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17702	13.48	561	-4	N/A	N/A	Pass
Blue	F	SSC	57102	1.74	396	4	N/A	N/A	Pass
Blue	E	FITC	75	80.06	455	3	0.0244	644	Pass
Blue	D	PE	160	48.95	493	2	0.2094	332	Pass
Blue	B	PE-Cy5	238	53.83	624	3	0.0093	191	Pass
Blue	A	PE-Cy7	136	77.42	638	1	0.0171	20	Pass
Red	C	APC	409	29.27	680	5	0.0217	98	Pass
Red	A	APC-Cy7	266	30.24	533	5	0.0047	1076	Pass
Violet	B	DAPI	91	72.23	450	7	0.0898	6531	Pass
Violet	A	AmCyan	154	55.81	513	11	0.0300	6583	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	-29.47	-29.15	1.17
Blue	20.25	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	14.83	12.72 - 19.08	N/A	N/A	27.36	27.75	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9603

Fluidics

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

Comments