

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: 11/30/2021 08:57 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	126156	0	2.28	126243	2.26
Blue	F	SSC	125000	123224	-2	2.57	123961	2.55
Blue	E	FITC	20730	19966	-4	2.82	424	22.53
Blue	D	PE	37062	36624	-2	2.02	780	13.97
Blue	B	PE-Cy5	46445	45988	-1	3.84	1329	20.75
Blue	A	PE-Cy7	33824	33537	-1	5.53	726	31.86
Red	C	APC	57179	57724	0	2.92	1881	13.02
Red	A	APC-Cy7	43213	42792	-1	2.96	1260	12.09
Violet	B	DAPI	11061	10542	-5	4.13	664	13.41
Violet	A	AmCyan	46201	44923	-3	3.90	1100	14.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18020	14.35	565	0	N/A	N/A	Pass
Blue	F	SSC	56649	2.80	397	5	N/A	N/A	Pass
Blue	E	FITC	76	87.21	457	5	0.0204	719	Pass
Blue	D	PE	159	50.35	495	4	0.2090	355	Pass
Blue	B	PE-Cy5	243	54.91	627	6	0.0088	187	Pass
Blue	A	PE-Cy7	138	78.96	641	4	0.0165	20	Pass
Red	C	APC	416	28.26	676	1	0.0239	119	Pass
Red	A	APC-Cy7	269	29.37	527	-1	0.0051	1176	Pass
Violet	B	DAPI	93	76.95	448	5	0.0781	6689	Pass
Violet	A	AmCyan	156	81.38	511	9	0.0198	10228	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	-30.26	-29.83	1.18
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	18.09	12.72 - 19.08	N/A	N/A	28.00	28.33	1.30

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9623

Fluidics

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

Comments