

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: 07/12/2021 09:25 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	124227	-1	2.44	124503	2.41
Blue	F	SSC	125000	123328	-2	1.56	123961	1.51
Blue	E	FITC	20730	20220	-3	2.52	421	20.87
Blue	D	PE	37062	36440	-2	1.73	772	13.74
Blue	B	PE-Cy5	46445	45167	-3	3.66	1305	19.72
Blue	A	PE-Cy7	33824	32802	-4	5.63	727	30.71
Red	C	APC	57179	56981	-1	3.12	1846	13.77
Red	A	APC-Cy7	43213	42627	-2	3.05	1274	12.52
Violet	B	DAPI	11061	10754	-3	4.64	734	12.32
Violet	A	AmCyan	46201	45083	-3	4.48	1099	11.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15324	16.06	550	-15	N/A	N/A	Pass
Blue	F	SSC	57248	1.24	393	1	N/A	N/A	Pass
Blue	E	FITC	76	80.06	451	-1	0.0239	625	Pass
Blue	D	PE	156	48.94	488	-3	0.2069	312	Pass
Blue	B	PE-Cy5	241	51.91	617	-4	0.0098	188	Pass
Blue	A	PE-Cy7	140	74.13	631	-6	0.0172	13	Pass
Red	C	APC	414	29.94	681	6	0.0213	133	Pass
Red	A	APC-Cy7	269	30.67	531	3	0.0047	1249	Pass
Violet	B	DAPI	98	67.07	448	5	0.0670	4449	Pass
Violet	A	AmCyan	157	54.21	512	10	0.0247	4886	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	-29.75	-29.20	1.17
Blue	20.25	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.52
Red	14.91	12.72 - 19.08	N/A	N/A	27.11	27.71	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9662

Fluidics

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

Comments