

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: 06/29/2020 09:22 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	124064	-1	1.67	124222	1.58
Blue	F	SSC	125000	122857	-2	1.36	123660	1.34
Blue	E	FITC	19687	19067	-4	2.94	488	17.40
Blue	D	PE	35036	34764	-1	1.87	777	12.55
Blue	B	PE-Cy5	53922	52521	-3	4.58	1480	18.53
Blue	A	PE-Cy7	41443	40733	-2	6.72	928	27.11
Red	C	APC	64207	63232	-2	2.78	1800	13.01
Red	A	APC-Cy7	48785	47769	-3	3.09	1457	12.02
Violet	B	DAPI	11947	11519	-4	2.85	793	10.75
Violet	A	AmCyan	48649	47615	-3	2.34	1470	8.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14903	9.79	543	-17	N/A	N/A	Pass
Blue	F	SSC	57268	1.08	387	-9	N/A	N/A	Pass
Blue	E	FITC	74	69.59	443	-5	0.0263	338	Pass
Blue	D	PE	152	45.96	480	-5	0.2424	319	Pass
Blue	B	PE-Cy5	231	51.06	613	-7	0.0102	119	Pass
Blue	A	PE-Cy7	137	74.13	631	-8	0.0195	14	Pass
Red	C	APC	351	31.33	668	-10	0.0241	173	Pass
Red	A	APC-Cy7	211	33.57	520	-10	0.0041	334	Pass
Violet	B	DAPI	99	66.09	440	-10	0.0834	5220	Pass
Violet	A	AmCyan	162	51.24	498	-7	0.0319	5882	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	-29.71	-29.43	1.20
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.13	12.80 - 19.20	N/A	N/A	27.48	27.85	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10885

Fluidics

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

Comments