

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: 07/20/2020 09:18 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	125268	0	1.37	125415	1.35
Blue	F	SSC	125000	124266	-1	1.45	125099	1.45
Blue	E	FITC	19687	19127	-3	2.39	496	16.93
Blue	D	PE	35036	34489	-2	1.70	775	12.31
Blue	B	PE-Cy5	53922	53166	-2	3.36	1499	18.19
Blue	A	PE-Cy7	41443	40904	-2	4.85	932	26.58
Red	C	APC	64207	64096	-1	2.45	1822	12.71
Red	A	APC-Cy7	48785	47627	-3	2.49	1455	10.93
Violet	B	DAPI	11947	11559	-4	2.94	790	10.26
Violet	A	AmCyan	48649	48018	-2	2.67	1494	8.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15608	8.55	542	-18	N/A	N/A	Pass
Blue	F	SSC	58080	1.07	385	-11	N/A	N/A	Pass
Blue	E	FITC	76	71.16	441	-7	0.0294	500	Pass
Blue	D	PE	153	45.96	478	-7	0.2662	369	Pass
Blue	B	PE-Cy5	233	50.72	610	-10	0.0103	116	Pass
Blue	A	PE-Cy7	134	74.13	627	-12	0.0197	11	Pass
Red	C	APC	357	30.20	666	-12	0.0250	145	Pass
Red	A	APC-Cy7	205	33.48	518	-12	0.0052	952	Pass
Violet	B	DAPI	99	61.77	440	-10	0.0942	5029	Pass
Violet	A	AmCyan	166	47.66	498	-7	0.0331	5232	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	-29.72	-29.45	1.19
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	17.52	12.80 - 19.20	N/A	N/A	27.64	27.93	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9676

Fluidics

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

Comments