

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: 01/25/2021 09:13 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	125375	0	1.98	125579	2.03
Blue	F	SSC	125000	123780	-1	1.43	124349	1.42
Blue	E	FITC	20730	20409	-2	2.44	428	20.36
Blue	D	PE	37062	36742	-1	1.65	778	13.50
Blue	B	PE-Cy5	46445	45717	-2	3.69	1313	20.26
Blue	A	PE-Cy7	33824	33137	-3	5.45	735	29.77
Red	C	APC	57179	56998	-1	2.58	1851	12.71
Red	A	APC-Cy7	43213	41812	-4	2.66	1264	11.53
Violet	B	DAPI	11061	10824	-3	2.25	740	10.67
Violet	A	AmCyan	46201	46073	-1	1.94	1126	10.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14152	14.54	551	-14	N/A	N/A	Pass
Blue	F	SSC	57637	1.04	390	-2	N/A	N/A	Pass
Blue	E	FITC	76	81.40	449	-3	0.0271	800	Pass
Blue	D	PE	158	48.01	488	-3	0.2149	312	Pass
Blue	B	PE-Cy5	248	50.32	616	-5	0.0091	106	Pass
Blue	A	PE-Cy7	143	71.79	632	-5	0.0184	15	Pass
Red	C	APC	418	27.42	670	-5	0.0251	127	Pass
Red	A	APC-Cy7	271	27.93	520	-8	0.0054	1137	Pass
Violet	B	DAPI	103	61.64	441	-2	0.1080	6671	Pass
Violet	A	AmCyan	163	55.73	503	1	0.0302	6967	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	-30.38	-30.07	1.16
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	16.05	12.80 - 19.20	N/A	N/A	28.12	28.46	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9658

Fluidics

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

Comments