

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: 05/27/2019 09:57 AM
Cytometer Baseline: 12/17/2018 10:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	124281	-1	1.23	124341	1.20
Blue	F	SSC	125000	126006	0	2.06	126865	2.07
Blue	E	FITC	19383	18927	-3	2.64	486	18.07
Blue	D	PE	36216	35858	-1	1.90	804	12.89
Blue	B	PE-Cy5	55140	54640	-1	3.45	1549	18.48
Blue	A	PE-Cy7	42167	41402	-2	5.25	953	27.43
Red	C	APC	67610	67516	-1	2.40	1926	12.97
Red	A	APC-Cy7	50926	50051	-2	3.14	1535	11.53
Violet	B	DAPI	12515	12206	-3	2.26	820	10.89
Violet	A	AmCyan	46312	45976	-1	1.86	1434	8.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17729	6.79	551	9	N/A	N/A	Pass
Blue	F	SSC	58790	1.84	392	7	N/A	N/A	Pass
Blue	E	FITC	76	74.13	444	5	0.0254	482	Pass
Blue	D	PE	159	48.01	485	6	0.2423	372	Pass
Blue	B	PE-Cy5	240	52.55	618	6	0.0100	148	Pass
Blue	A	PE-Cy7	139	77.35	637	7	0.0185	19	Pass
Red	C	APC	375	30.39	675	0	0.0234	107	Pass
Red	A	APC-Cy7	217	34.35	525	-3	0.0047	842	Pass
Violet	B	DAPI	103	65.31	446	3	0.0686	3928	Pass
Violet	A	AmCyan	157	50.96	495	5	0.0341	6286	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	59.80	47.84 - 71.76	N/A	N/A	-29.86	-29.49	1.23
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.51	12.00 - 18.00	N/A	N/A	27.43	27.91	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10026

Fluidics

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

Comments