

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: 11/12/2018 09:17 AM
Cytometer Baseline: 06/11/2018 02:56 PM
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	124444	-1	2.71	124629	2.68
Blue	F	SSC	125000	124763	-1	2.75	125707	2.68
Blue	E	FITC	19423	18984	-3	2.92	489	18.76
Blue	D	PE	36173	35768	-2	2.41	802	12.56
Blue	B	PE-Cy5	57286	56299	-2	3.46	1578	18.75
Blue	A	PE-Cy7	42868	42051	-2	4.70	961	26.34
Red	C	APC	68148	67448	-2	2.37	1927	12.89
Red	A	APC-Cy7	46946	45794	-3	2.86	1394	10.89
Violet	B	DAPI	12571	12160	-4	2.93	863	10.74
Violet	A	AmCyan	45518	44507	-3	2.66	1380	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14715	10.49	536	-6	N/A	N/A	Pass
Blue	F	SSC	57930	2.22	384	-1	N/A	N/A	Pass
Blue	E	FITC	72	86.48	440	-2	0.0265	799	Pass
Blue	D	PE	157	47.04	481	-1	0.2618	371	Pass
Blue	B	PE-Cy5	246	52.76	615	-4	0.0098	135	Pass
Blue	A	PE-Cy7	142	74.13	631	-5	0.0201	18	Pass
Red	C	APC	377	30.80	672	-3	0.0240	151	Pass
Red	A	APC-Cy7	199	32.62	514	-7	0.0053	857	Pass
Violet	B	DAPI	109	65.17	443	2	0.0813	5433	Pass
Violet	A	AmCyan	152	67.71	492	5	0.0281	10132	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	-29.91	-29.69	1.20
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	15.88	14.86 - 22.30	N/A	N/A	27.50	27.96	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 9501

Fluidics

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

Comments