

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: 05/14/2018 09:34 AM
Cytometer Baseline: 10/23/2017 09:39 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (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	124883	-1	1.20	125076	1.21
Blue	F	SSC	125000	123629	-2	2.61	124768	2.62
Blue	E	FITC	18535	18265	-2	2.61	497	16.27
Blue	D	PE	29708	28823	-3	2.10	775	11.32
Blue	B	PE-Cy5	70430	69459	-2	3.79	1629	17.12
Blue	A	PE-Cy7	70607	69826	-2	6.80	981	25.32
Red	C	APC	76673	77080	0	2.45	2453	11.30
Red	A	APC-Cy7	78803	77849	-2	6.26	1483	10.94
Violet	B	DAPI	11434	11057	-4	2.69	789	10.59
Violet	A	AmCyan	43596	43008	-2	2.50	1249	9.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18629	5.15	531	-5	N/A	N/A	Pass
Blue	F	SSC	57765	2.66	380	-5	N/A	N/A	Pass
Blue	E	FITC	72	74.13	435	-5	0.0327	607	Pass
Blue	D	PE	132	47.72	467	-6	0.2799	368	Pass
Blue	B	PE-Cy5	253	47.05	606	-3	0.0105	117	Pass
Blue	A	PE-Cy7	156	68.37	631	-2	0.0221	25	Pass
Red	C	APC	510	25.23	667	0	0.0240	131	Pass
Red	A	APC-Cy7	257	28.42	516	1	0.0075	3103	Pass
Violet	B	DAPI	98	66.72	441	-1	0.0937	5264	Pass
Violet	A	AmCyan	151	51.41	490	0	0.0283	4691	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	-30.05	-29.80	1.23
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	18.26	14.86 - 22.30	N/A	N/A	27.72	28.09	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11317

Fluidics

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

Comments