

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: 10/31/2016 09:16 AM
Cytometer Baseline: 10/31/2016 09:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (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	124942	-1	2.70	125102	2.72
Blue	F	SSC	125000	124300	-1	3.83	125265	3.80
Blue	E	FITC	19293	18666	-4	2.59	450	19.52
Blue	D	PE	30205	29755	-2	1.74	592	15.49
Blue	B	PE-Cy5	53947	53256	-2	4.00	1059	26.68
Blue	A	PE-Cy7	44503	44473	-1	6.15	583	46.53
Red	C	APC	63278	64085	1	3.15	1528	18.90
Red	A	APC-Cy7	54872	54420	-1	3.93	850	20.54
Violet	B	DAPI	11764	11228	-5	3.49	779	13.50
Violet	A	AmCyan	46171	45505	-2	3.68	1419	10.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17629	7.34	588	-2	N/A	N/A	Pass
Blue	F	SSC	61403	3.84	421	0	N/A	N/A	Pass
Blue	E	FITC	82	70.71	461	-2	0.0223	521	Pass
Blue	D	PE	149	46.49	497	-1	0.1737	296	Pass
Blue	B	PE-Cy5	222	64.86	660	-1	0.0061	158	Pass
Blue	A	PE-Cy7	117	117.97	704	0	0.0093	37	Pass
Red	C	APC	431	36.86	742	1	0.0131	113	Pass
Red	A	APC-Cy7	205	48.86	582	-1	0.0024	1504	Pass
Violet	B	DAPI	103	76.97	475	-3	0.0424	3736	Pass
Violet	A	AmCyan	173	51.99	530	-1	0.0177	3452	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	47.71 - 71.57	N/A	N/A	-29.11	-28.89	1.13
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.26
Red	13.63	12.75 - 19.13	N/A	N/A	29.65	29.81	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9609

Fluidics

FACSFlow Pressure: 4.50 Sample Pressure: 4.30
Spec.: 4.40 - 4.60

Comments