

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: 03/14/2016 10:06 AM
Cytometer Baseline: 12/15/2015 01:27 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	124041	-1	2.59	124270	2.58
Blue	F	SSC	125000	124667	-1	2.57	125455	2.59
Blue	E	FITC	19512	18549	-5	4.36	441	26.34
Blue	D	PE	34487	33697	-3	4.48	660	19.88
Blue	B	PE-Cy5	58285	57294	-2	6.06	1119	34.04
Blue	A	PE-Cy7	46791	46655	-1	7.97	609	61.42
Red	C	APC	58704	58624	-1	4.59	1399	17.87
Red	A	APC-Cy7	53810	53276	-1	5.54	844	19.11
Violet	B	DAPI	11790	11275	-5	5.45	765	17.74
Violet	A	AmCyan	45340	43960	-4	5.49	1360	15.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16333	12.46	585	-5	N/A	N/A	Pass
Blue	F	SSC	62754	1.78	421	0	N/A	N/A	Pass
Blue	E	FITC	81	103.25	475	1	0.0149	1090	Pass
Blue	D	PE	168	61.35	521	4	0.1316	459	Pass
Blue	B	PE-Cy5	230	92.31	695	18	0.0042	390	Pass
Blue	A	PE-Cy7	104	191.50	748	20	0.0058	82	Pass
Red	C	APC	399	34.18	714	9	0.0154	122	Pass
Red	A	APC-Cy7	204	45.08	569	8	0.0029	1699	Pass
Violet	B	DAPI	102	104.65	498	21	0.0311	5382	Pass
Violet	A	AmCyan	165	88.74	552	25	0.0120	8041	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	59.62	47.71 - 71.57	N/A	N/A	-30.18	-29.99	1.20
Blue	20.26	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.45
Red	16.65	12.75 - 19.13	N/A	N/A	29.09	29.48	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9517

Fluidics

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

Comments