

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: 06/19/2017 09:36 AM
Cytometer Baseline: 06/19/2017 09:29 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	124846	-1	1.83	124877	1.82
Blue	F	SSC	125000	124144	-1	1.99	125319	1.94
Blue	E	FITC	17685	16985	-4	3.28	468	17.44
Blue	D	PE	28926	28202	-3	3.00	764	12.94
Blue	B	PE-Cy5	65854	64097	-3	4.76	1479	19.77
Blue	A	PE-Cy7	61678	60215	-3	5.92	787	31.40
Red	C	APC	76597	76331	-1	2.81	2441	12.20
Red	A	APC-Cy7	81407	81110	-1	2.25	1441	12.09
Violet	B	DAPI	11628	11478	-2	2.71	790	11.67
Violet	A	AmCyan	47630	47058	-2	2.49	1375	9.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18511	5.07	566	-2	N/A	N/A	Pass
Blue	F	SSC	56207	1.89	398	0	N/A	N/A	Pass
Blue	E	FITC	69	67.95	450	-1	0.0234	221	Pass
Blue	D	PE	130	51.07	486	0	0.1862	281	Pass
Blue	B	PE-Cy5	223	52.95	628	0	0.0079	53	Pass
Blue	A	PE-Cy7	123	83.72	651	0	0.0144	11	Pass
Red	C	APC	501	28.28	687	0	0.0207	207	Pass
Red	A	APC-Cy7	247	34.40	534	0	0.0041	1672	Pass
Violet	B	DAPI	101	68.43	446	-1	0.0605	3460	Pass
Violet	A	AmCyan	165	44.01	498	-1	0.0272	2853	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	47.71 - 71.57	N/A	N/A	-30.34	-29.55	1.30
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.45
Red	17.36	14.79 - 22.19	N/A	N/A	27.95	28.75	1.37

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10983

Fluidics

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

Comments