

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: 08/21/2017 09:28 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	124500	-1	2.10	124652	2.06
Blue	F	SSC	125000	123734	-2	1.88	124917	1.87
Blue	E	FITC	17685	16802	-5	3.29	458	18.59
Blue	D	PE	28926	28125	-3	3.05	759	12.36
Blue	B	PE-Cy5	65854	64831	-2	4.88	1504	19.70
Blue	A	PE-Cy7	61678	61716	0	6.20	835	31.64
Red	C	APC	76597	75623	-2	2.94	2399	12.27
Red	A	APC-Cy7	81407	81857	0	2.89	1520	11.71
Violet	B	DAPI	11628	11254	-4	4.03	812	11.69
Violet	A	AmCyan	47630	46857	-2	4.03	1368	10.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18710	5.00	570	2	N/A	N/A	Pass
Blue	F	SSC	56629	1.69	396	-2	N/A	N/A	Pass
Blue	E	FITC	66	80.58	450	-1	0.0228	456	Pass
Blue	D	PE	129	51.07	486	0	0.2325	369	Pass
Blue	B	PE-Cy5	230	55.60	629	1	0.0081	158	Pass
Blue	A	PE-Cy7	129	85.66	655	4	0.0138	16	Pass
Red	C	APC	496	27.65	683	-4	0.0204	143	Pass
Red	A	APC-Cy7	263	31.77	533	-1	0.0043	1334	Pass
Violet	B	DAPI	99	72.23	448	1	0.0770	5218	Pass
Violet	A	AmCyan	165	60.91	502	3	0.0280	7102	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)

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: 08/21/2017 09:28 AM
Cytometer Baseline: 06/19/2017 09:29 AM
P/F: Pass

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	-30.23	-30.04	1.28
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.44
Red	20.20	14.79 - 22.19	N/A	N/A	28.91	29.24	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10814

Fluidics

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

Comments