

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 02/18/2019 11:02 AM
 Cytometer Baseline: 01/07/2019 04:25 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019
 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	124584	-1	1.93	124634	1.94
Blue	C	SSC	125000	125346	0	3.20	126504	3.29
Blue	B	Alexa Fluor 488	27175	26711	-2	2.93	665	15.39
Blue	A	PerCP	34893	34591	-1	5.26	997	20.90
Red	C	Alexa Fluor 647	25689	24924	-3	4.01	659	18.71
Red	B	APC-Alexa 700	82209	81107	-2	6.25	2754	8.34
Red	A	APC-Cy7	72773	71936	-2	7.62	2245	13.88
561 Yellow-Green	E	DsRed	99857	98873	-1	1.62	2455	7.22
561 Yellow-Green	D	PE-Texas Red	77376	76592	-2	2.03	1747	11.72
561 Yellow-Green	C	7-AAD	84099	83392	-1	2.87	2630	11.91
561 Yellow-Green	B	PE-Cy5-5	74528	72910	-3	5.13	2486	10.27
561 Yellow-Green	A	PE-Cy7	19231	18128	-6	7.61	526	12.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17536	3.04	321	5	N/A	N/A	Pass
Blue	C	SSC	60604	2.67	344	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	48.86	581	2	0.0291	0	Pass
Blue	A	PerCP	146	60.04	630	4	0.0050	256	Pass
Red	C	Alexa Fluor 647	110	46.60	570	-2	0.0103	49	Pass
Red	B	APC-Alexa 700	401	19.85	592	1	0.0304	6386	Pass
Red	A	APC-Cy7	320	36.58	648	2	0.0042	919	Pass
561 Yellow-Green	E	DsRed	562	15.75	633	0	0.5947	0	Pass
561 Yellow-Green	D	PE-Texas Red	370	27.26	604	-2	0.0426	7	Pass
561 Yellow-Green	C	7-AAD	424	32.03	702	-1	0.0438	36	Pass

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Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	02/18/2019 11:02 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	01/07/2019 04:25 PM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	360	30.50	636	-8	0.0406	413	Pass
561 Yellow-Green	A	PE-Cy7	76	34.06	457	-2	0.0440	169	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
561 Yellow-Green Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Laser Settings

Laser	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Red	-70.38	-69.54	1.05
561 Yellow-Green	-36.60	-35.81	1.03
Blue	0.00	0.00	1.21

Window Extension:	2.00
FSC Area Scaling Factor:	0.98

Threshold

Threshold (FSC): 10650

Fluidics

Sheath Pressure:	24.81	Sample Pressure:	23.77
Nozzle Size:	100		

Comments