

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: 08/27/2019 03:50 PM
 Cytometer Baseline: 08/26/2019 03:19 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	124835	-1	2.36	124881	2.36
Blue	C	SSC	125000	125357	0	3.94	126291	4.05
Blue	B	Alexa Fluor 488	33225	32911	-1	3.71	813	15.89
Blue	A	PerCP	28292	28440	0	5.76	827	22.91
Red	C	Alexa Fluor 647	23468	23264	-1	3.88	613	18.56
Red	B	APC-Alexa 700	89750	89180	-1	4.88	3118	8.24
Red	A	APC-Cy7	81282	80303	-2	6.01	2619	14.24
561 Yellow-Green	E	DsRed	101109	100694	-1	3.26	2460	8.28
561 Yellow-Green	D	PE-Texas Red	88403	88492	0	3.48	2008	12.79
561 Yellow-Green	C	7-AAD	89531	89372	-1	4.07	2823	12.97
561 Yellow-Green	B	PE-Cy5-5	77601	76624	-2	4.94	2681	10.96
561 Yellow-Green	A	PE-Cy7	18307	17519	-5	6.58	532	13.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15786	4.85	344	0	N/A	N/A	Pass
Blue	C	SSC	61046	3.61	355	-4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	129	49.42	617	-3	0.0277	0	Pass
Blue	A	PerCP	117	71.93	634	2	0.0042	440	Pass
Red	C	Alexa Fluor 647	104	46.97	569	0	0.0106	88	Pass
Red	B	APC-Alexa 700	457	20.51	610	8	0.0137	2075	Pass
Red	A	APC-Cy7	372	37.17	663	7	0.0030	231	Pass
561 Yellow-Green	E	DsRed	565	16.97	643	-2	0.5113	0	Pass
561 Yellow-Green	D	PE-Texas Red	427	27.99	624	-1	0.0369	0	Pass
561 Yellow-Green	C	7-AAD	458	34.81	722	3	0.0390	57	Pass

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561 Yellow-Green	B	PE-Cy5-5	395	31.74	649	6	0.0312	323	Pass
561 Yellow-Green	A	PE-Cy7	77	34.21	467	4	0.0263	0	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	-72.01	-71.47	1.04
561 Yellow-Green	-37.48	-36.90	1.00
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 9594

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.52
Nozzle Size: 100

Comments