

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: 03/15/2016 02:03 PM
 Cytometer Baseline: 10/19/2015 04:27 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	123659	-2	2.95	123692	3.01
Blue	C	SSC	125000	122558	-2	3.36	123527	3.52
Blue	B	Alexa Fluor 488	21893	21730	-1	3.43	495	17.74
Blue	A	PerCP	28999	28775	-1	4.87	607	24.57
Red	C	Alexa Fluor 647	24023	23883	-1	4.44	523	24.90
Red	B	APC-Alexa 700	95610	94669	-1	3.48	2691	9.81
Red	A	APC-Cy7	84656	84908	0	4.33	1666	19.07
561 Yellow-Green	E	DsRed	88087	88560	0	2.20	1978	9.35
561 Yellow-Green	D	PE-Texas Red	79386	78759	-1	2.75	1579	15.53
561 Yellow-Green	C	7-AAD	82932	82794	-1	3.00	1850	16.43
561 Yellow-Green	B	PE-Cy5-5	83720	83867	0	3.02	1862	13.56
561 Yellow-Green	A	PE-Cy7	22282	21534	-4	3.74	371	18.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13717	4.93	328	-6	N/A	N/A	Pass
Blue	C	SSC	66761	4.23	362	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	49.42	572	4	0.0232	0	Pass
Blue	A	PerCP	126	62.98	618	5	0.0046	486	Pass
Red	C	Alexa Fluor 647	150	47.40	597	-4	0.0071	64	Pass
Red	B	APC-Alexa 700	858	16.96	629	11	0.0057	1641	Pass
Red	A	APC-Cy7	446	37.06	689	11	0.0020	54	Pass
561 Yellow-Green	E	DsRed	586	17.28	654	-4	0.3783	0	Pass
561 Yellow-Green	D	PE-Texas Red	448	29.95	647	-7	0.0263	0	Pass
561 Yellow-Green	C	7-AAD	473	35.05	723	-1	0.0299	79	Pass

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561 Yellow-Green	B	PE-Cy5-5	474	29.40	664	6	0.0226	252	Pass
561 Yellow-Green	A	PE-Cy7	92	36.67	487	4	0.0171	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	-72.89	-72.08	1.02
561 Yellow-Green	-38.12	-37.28	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 11467

Fluidics

Sheath Pressure: 24.76 Sample Pressure: 23.90
Nozzle Size: 100

Comments