

Cytometer Performance Report

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

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 11/16/2015 02:29 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	124722	-1	2.72	124935	2.71
Blue	C	SSC	125000	122262	-3	3.78	123429	3.77
Blue	B	Alexa Fluor 488	21893	21685	-1	3.48	496	17.80
Blue	A	PerCP	28999	28702	-2	5.04	559	24.42
Red	C	Alexa Fluor 647	24023	23828	-1	4.76	460	26.20
Red	B	APC-Alexa 700	95610	95023	-1	3.36	1618	11.90
Red	A	APC-Cy7	84656	84133	-1	4.12	1256	20.68
561 Yellow-Green	E	DsRed	88087	87815	-1	2.27	1957	9.50
561 Yellow-Green	D	PE-Texas Red	79386	78889	-1	2.87	1559	16.09
561 Yellow-Green	C	7-AAD	82932	82316	-1	2.91	1732	16.79
561 Yellow-Green	B	PE-Cy5-5	83720	82511	-2	3.05	1586	18.06
561 Yellow-Green	A	PE-Cy7	22282	21652	-3	3.14	316	18.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13592	7.75	334	0	N/A	N/A	Pass
Blue	C	SSC	66286	3.83	360	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	48.31	569	1	0.0223	0	Pass
Blue	A	PerCP	110	62.50	610	-3	0.0049	332	Pass
Red	C	Alexa Fluor 647	122	51.08	595	-6	0.0072	24	Pass
Red	B	APC-Alexa 700	390	22.69	609	-9	0.0054	0	Pass
Red	A	APC-Cy7	300	43.31	673	-5	0.0022	26	Pass
561 Yellow-Green	E	DsRed	582	17.49	652	-6	0.3677	0	Pass
561 Yellow-Green	D	PE-Texas Red	434	31.28	661	7	0.0249	0	Pass
561 Yellow-Green	C	7-AAD	420	36.19	711	-13	0.0297	47	Pass

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561 Yellow-Green	B	PE-Cy5-5	373	40.72	694	36	0.0138	159	Pass
561 Yellow-Green	A	PE-Cy7	74	37.56	476	-7	0.0212	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	-72.56	-71.55	1.03
561 Yellow-Green	-37.91	-37.08	1.00
Blue	0.00	0.00	1.08

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9623

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.79
Nozzle Size: 100

Comments