

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: 12/07/2015 11:41 AM
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	124841	-1	3.30	125206	4.51
Blue	C	SSC	125000	122005	-3	3.63	123129	3.67
Blue	B	Alexa Fluor 488	21893	21736	-1	3.50	497	16.66
Blue	A	PerCP	28999	28900	-1	4.91	570	25.00
Red	C	Alexa Fluor 647	24023	23778	-2	4.01	462	26.10
Red	B	APC-Alexa 700	95610	94909	-1	2.69	1630	11.11
Red	A	APC-Cy7	84656	84744	0	3.38	1275	20.28
561 Yellow-Green	E	DsRed	88087	87995	-1	3.38	1941	9.70
561 Yellow-Green	D	PE-Texas Red	79386	78638	-1	3.86	1534	15.74
561 Yellow-Green	C	7-AAD	82932	82346	-1	3.94	1707	16.93
561 Yellow-Green	B	PE-Cy5-5	83720	82593	-2	3.58	1578	14.65
561 Yellow-Green	A	PE-Cy7	22282	21514	-4	4.14	314	18.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13510	2.62	332	-2	N/A	N/A	Pass
Blue	C	SSC	65687	2.80	359	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	98	47.17	570	2	0.0272	0	Pass
Blue	A	PerCP	111	63.75	612	-1	0.0046	305	Pass
Red	C	Alexa Fluor 647	123	50.26	595	-6	0.0071	0	Pass
Red	B	APC-Alexa 700	395	23.08	609	-9	0.0065	131	Pass
Red	A	APC-Cy7	303	42.80	674	-4	0.0022	43	Pass
561 Yellow-Green	E	DsRed	571	17.63	654	-4	0.3858	0	Pass
561 Yellow-Green	D	PE-Texas Red	429	30.89	650	-4	0.0276	13	Pass
561 Yellow-Green	C	7-AAD	414	36.80	712	-12	0.0309	66	Pass

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561 Yellow-Green	B	PE-Cy5-5	371	32.28	648	-10	0.0221	130	Pass
561 Yellow-Green	A	PE-Cy7	73	38.07	477	-6	0.0214	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	-71.78	-71.43	1.04
561 Yellow-Green	-37.19	-37.04	1.00
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 9892

Fluidics

Sheath Pressure: 24.86 Sample Pressure: 23.79
Nozzle Size: 100

Comments