

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: 12/14/2015 03:01 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	136835	9	2.57	136976	2.62
Blue	C	SSC	125000	124932	-1	3.25	125953	3.37
Blue	B	Alexa Fluor 488	21893	21792	-1	3.11	499	17.20
Blue	A	PerCP	28999	29483	1	4.59	584	25.14
Red	C	Alexa Fluor 647	24023	23826	-1	4.11	462	26.68
Red	B	APC-Alexa 700	95610	95204	-1	2.61	1644	11.58
Red	A	APC-Cy7	84656	84613	-1	3.37	1294	20.49
561 Yellow-Green	E	DsRed	88087	88266	0	2.43	1954	9.38
561 Yellow-Green	D	PE-Texas Red	79386	79617	0	3.00	1555	16.17
561 Yellow-Green	C	7-AAD	82932	82870	-1	3.04	1735	16.96
561 Yellow-Green	B	PE-Cy5-5	83720	83143	-1	2.86	1610	14.51
561 Yellow-Green	A	PE-Cy7	22282	21419	-4	3.40	316	18.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13878	4.30	332	-2	N/A	N/A	Pass
Blue	C	SSC	64869	4.21	360	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	47.09	571	3	0.0237	0	Pass
Blue	A	PerCP	111	64.40	616	3	0.0044	263	Pass
Red	C	Alexa Fluor 647	123	51.95	600	-1	0.0069	17	Pass
Red	B	APC-Alexa 700	396	22.81	612	-6	0.0056	0	Pass
Red	A	APC-Cy7	304	44.12	678	0	0.0022	155	Pass
561 Yellow-Green	E	DsRed	566	18.01	657	-1	0.3954	0	Pass
561 Yellow-Green	D	PE-Texas Red	423	30.77	655	1	0.0244	0	Pass
561 Yellow-Green	C	7-AAD	418	37.15	716	-8	0.0296	61	Pass

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561 Yellow-Green	B	PE-Cy5-5	374	32.81	652	-6	0.0218	152	Pass
561 Yellow-Green	A	PE-Cy7	72	38.59	480	-3	0.0197	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	-71.71	-71.23	1.05
561 Yellow-Green	-37.15	-36.82	1.00
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 12541

Fluidics

Sheath Pressure: 24.90 Sample Pressure: 23.79
Nozzle Size: 100

Comments