

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: 11/23/2015 02:51 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	125405	0	2.40	125538	2.44
Blue	C	SSC	125000	120287	-4	3.13	121363	3.17
Blue	B	Alexa Fluor 488	21893	21644	-2	3.06	495	17.36
Blue	A	PerCP	28999	28606	-2	4.65	557	24.91
Red	C	Alexa Fluor 647	24023	23613	-2	4.22	461	24.88
Red	B	APC-Alexa 700	95610	94955	-1	2.74	1646	11.25
Red	A	APC-Cy7	84656	83898	-1	3.52	1288	20.31
561 Yellow-Green	E	DsRed	88087	87308	-1	2.09	1962	9.23
561 Yellow-Green	D	PE-Texas Red	79386	78845	-1	2.71	1547	16.51
561 Yellow-Green	C	7-AAD	82932	81817	-2	2.87	1716	16.87
561 Yellow-Green	B	PE-Cy5-5	83720	82398	-2	2.89	1600	16.24
561 Yellow-Green	A	PE-Cy7	22282	21498	-4	3.07	322	17.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13671	6.36	331	-3	N/A	N/A	Pass
Blue	C	SSC	64550	3.40	358	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	47.72	568	0	0.0236	0	Pass
Blue	A	PerCP	109	63.54	610	-3	0.0046	296	Pass
Red	C	Alexa Fluor 647	121	49.00	594	-7	0.0080	32	Pass
Red	B	APC-Alexa 700	397	22.34	609	-9	0.0060	0	Pass
Red	A	APC-Cy7	300	42.29	673	-5	0.0022	0	Pass
561 Yellow-Green	E	DsRed	585	17.23	654	-4	0.3891	0	Pass
561 Yellow-Green	D	PE-Texas Red	434	32.11	661	7	0.0239	0	Pass
561 Yellow-Green	C	7-AAD	420	35.30	712	-12	0.0289	22	Pass

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561 Yellow-Green	B	PE-Cy5-5	375	37.95	678	20	0.0176	243	Pass
561 Yellow-Green	A	PE-Cy7	76	37.06	477	-6	0.0227	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	-72.51	-71.48	1.03
561 Yellow-Green	-37.86	-36.96	1.00
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9649

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.79
Nozzle Size: 100

Comments