

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: 07/25/2016 10:16 AM
 Cytometer Baseline: 07/05/2016 09:47 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 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	124685	-1	2.36	124894	2.27
Blue	C	SSC	125000	122887	-2	3.65	124158	3.62
Blue	B	Alexa Fluor 488	24248	23948	-2	3.52	564	16.99
Blue	A	PerCP	33887	33688	-1	4.99	901	21.98
Red	C	Alexa Fluor 647	25051	24463	-3	5.07	658	22.76
Red	B	APC-Alexa 700	81413	80645	-1	3.86	2150	10.35
Red	A	APC-Cy7	71355	70170	-2	4.76	1698	17.74
561 Yellow-Green	E	DsRed	88389	87570	-1	2.50	2215	8.93
561 Yellow-Green	D	PE-Texas Red	74661	73881	-2	3.02	1765	14.28
561 Yellow-Green	C	7-AAD	84478	83528	-2	3.17	2406	14.62
561 Yellow-Green	B	PE-Cy5-5	76749	76345	-1	3.04	2184	12.14
561 Yellow-Green	A	PE-Cy7	18983	18166	-5	3.59	422	15.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16627	4.28	335	0	N/A	N/A	Pass
Blue	C	SSC	62906	3.52	365	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	51.68	584	0	0.0245	0	Pass
Blue	A	PerCP	140	63.71	632	-2	0.0044	350	Pass
Red	C	Alexa Fluor 647	123	52.69	601	-2	0.0066	26	Pass
Red	B	APC-Alexa 700	452	21.42	619	-3	0.0057	0	Pass
Red	A	APC-Cy7	361	38.95	675	-2	0.0022	114	Pass
561 Yellow-Green	E	DsRed	473	20.43	658	-3	0.3797	1	Pass
561 Yellow-Green	D	PE-Texas Red	349	33.51	641	-4	0.0276	11	Pass
561 Yellow-Green	C	7-AAD	442	36.40	731	-6	0.0300	47	Pass

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561 Yellow-Green	B	PE-Cy5-5	421	30.63	657	-6	0.0238	221	Pass
561 Yellow-Green	A	PE-Cy7	90	33.84	475	-6	0.0203	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	-73.09	-72.11	1.02
561 Yellow-Green	-38.20	-37.29	0.99
Blue	0.00	0.00	1.10

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 11133

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.79
Nozzle Size: 100

Comments