

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: 02/13/2017 11:18 AM
 Cytometer Baseline: 01/23/2017 11:58 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	132505	6	4.47	133412	3.63
Blue	C	SSC	125000	122529	-2	3.82	123951	3.59
Blue	B	Alexa Fluor 488	24259	24051	-1	3.1	632	15.63
Blue	A	PerCP	32944	33165	0	4.83	906	21.99
Red	C	Alexa Fluor 647	25168	25039	-1	4.43	684	22.16
Red	B	APC-Alexa 700	79842	80590	0	3.24	2161	10.17
Red	A	APC-Cy7	70914	71589	0	4.23	1737	18.06
561 Yellow-Green	E	DsRed	93811	93922	0	2.4	2449	8.76
561 Yellow-Green	D	PE-Texas Red	71426	71121	-1	2.97	1702	13.9
561 Yellow-Green	C	7-AAD	77597	77284	-1	3.13	2229	14.83
561 Yellow-Green	B	PE-Cy5-5	73870	73624	-1	3.27	2101	12.38
561 Yellow-Green	A	PE-Cy7	22072	21148	-5	5.62	489	17.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17482	2.96	334	-1	N/A	N/A	Pass
Blue	C	SSC	62908	2.72	361	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	143	37.95	586	0	0.0254	0	Pass
Blue	A	PerCP	149	58.16	632	-1	0.0042	194	Pass
Red	C	Alexa Fluor 647	126	55	604	1	0.0070	129	Pass
Red	B	APC-Alexa 700	453	21.37	625	3	0.0056	0	Pass
Red	A	APC-Cy7	370	39.32	682	3	0.0020	0	Pass
561 Yellow-Green	E	DsRed	538	19.11	667	-1	0.3724	0	Pass
561 Yellow-Green	D	PE-Texas Red	345	32.38	638	-1	0.0292	15	Pass
561 Yellow-Green	C	7-AAD	417	36.62	728	-4	0.0291	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	409	30.51	662	-3	0.0229	190	Pass
561 Yellow-Green	A	PE-Cy7	105	36.37	489	-3	0.0192	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	-73.35	-72.68	1.02
561 Yellow-Green	-38.20	-37.45	0.99
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 10116

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.84
Nozzle Size: 100

Comments