

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: 06/18/2018 11:47 AM
 Cytometer Baseline: 02/01/2018 10:15 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018 (Expired)
 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	125895	0	1.84	126028	1.86
Blue	C	SSC	125000	123854	-1	3.76	124999	3.90
Blue	B	Alexa Fluor 488	28577	28146	-2	3.17	767	14.03
Blue	A	PerCP	46788	46554	-1	4.47	1055	18.70
Red	C	Alexa Fluor 647	30278	29434	-3	3.39	790	16.61
Red	B	APC-Alexa 700	132138	131259	-1	3.78	2825	7.76
Red	A	APC-Cy7	121354	120293	-1	4.68	2245	13.25
561 Yellow-Green	E	DsRed	85861	85895	0	1.87	2535	6.90
561 Yellow-Green	D	PE-Texas Red	70915	70762	-1	2.20	1938	11.03
561 Yellow-Green	C	7-AAD	98107	97335	-1	2.36	2594	11.31
561 Yellow-Green	B	PE-Cy5-5	113747	112364	-2	3.07	2604	10.07
561 Yellow-Green	A	PE-Cy7	33071	31783	-4	4.42	547	12.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17663	2.73	308	5	N/A	N/A	Pass
Blue	C	SSC	60387	3.56	338	0	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	46.23	576	2	0.0325	0	Pass
Blue	A	PerCP	157	53.60	612	0	0.0058	277	Pass
Red	C	Alexa Fluor 647	148	38.68	563	-3	0.0110	48	Pass
Red	B	APC-Alexa 700	487	18.04	588	-6	0.0107	1164	Pass
Red	A	APC-Cy7	380	32.34	644	0	0.0033	276	Pass
561 Yellow-Green	E	DsRed	505	16.68	626	-2	0.6160	1	Pass
561 Yellow-Green	D	PE-Texas Red	358	27.47	601	-6	0.0429	11	Pass
561 Yellow-Green	C	7-AAD	431	30.38	686	-8	0.0404	47	Pass

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561 Yellow-Green	B	PE-Cy5-5	424	27.96	636	-19	0.0303	273	Pass
561 Yellow-Green	A	PE-Cy7	91	30.67	456	-5	0.0284	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	-68.78	-67.94	1.08
561 Yellow-Green	-35.68	-34.95	1.05
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 9779

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.77
Nozzle Size: 100

Comments