

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: 03/26/2018 02:32 PM
 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	123911	-1	2.39	124016	2.44
Blue	C	SSC	125000	124780	-1	3.08	126013	3.13
Blue	B	Alexa Fluor 488	28577	27765	-3	3.24	756	13.66
Blue	A	PerCP	46788	45043	-4	6.15	1046	18.59
Red	C	Alexa Fluor 647	30278	29560	-3	3.34	799	16.69
Red	B	APC-Alexa 700	132138	129935	-2	8.35	2876	7.63
Red	A	APC-Cy7	121354	119044	-2	11.17	2307	13.78
561 Yellow-Green	E	DsRed	85861	85283	-1	2.08	2512	7.04
561 Yellow-Green	D	PE-Texas Red	70915	70479	-1	2.44	1924	11.25
561 Yellow-Green	C	7-AAD	98107	97271	-1	3.53	2602	11.37
561 Yellow-Green	B	PE-Cy5-5	113747	112536	-2	7.11	2654	10.46
561 Yellow-Green	A	PE-Cy7	33071	31557	-5	12.43	563	12.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17392	3.74	302	-1	N/A	N/A	Pass
Blue	C	SSC	60831	2.90	335	-3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	110	48.31	570	-4	0.0365	0	Pass
Blue	A	PerCP	155	53.37	609	-3	0.0062	357	Pass
Red	C	Alexa Fluor 647	151	38.91	564	-2	0.0108	51	Pass
Red	B	APC-Alexa 700	502	17.70	593	-1	-0.0102	0	Pass
Red	A	APC-Cy7	399	32.99	650	6	0.0127	11475	Pass
561 Yellow-Green	E	DsRed	498	16.51	625	-3	0.5907	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	27.31	603	-4	0.0411	0	Pass
561 Yellow-Green	C	7-AAD	431	30.78	690	-4	0.0428	76	Pass

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561 Yellow-Green	B	PE-Cy5-5	430	28.38	648	-7	0.0585	1128	Pass
561 Yellow-Green	A	PE-Cy7	95	31.88	462	1	-0.2752	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	-69.42	-68.91	1.07
561 Yellow-Green	-36.17	-35.55	1.03
Blue	0.00	0.00	1.24

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 10659

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.77
Nozzle Size: 100

Comments