

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: 04/30/2018 11:30 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	125298	0	1.74	125369	1.78
Blue	C	SSC	125000	125606	0	2.79	126876	2.80
Blue	B	Alexa Fluor 488	28577	28054	-2	2.72	763	13.65
Blue	A	PerCP	46788	46085	-2	4.30	1061	18.11
Red	C	Alexa Fluor 647	30278	29636	-3	3.27	800	16.19
Red	B	APC-Alexa 700	132138	129567	-2	4.08	2866	7.61
Red	A	APC-Cy7	121354	118812	-3	5.12	2303	13.52
561 Yellow-Green	E	DsRed	85861	85599	-1	1.72	2524	6.96
561 Yellow-Green	D	PE-Texas Red	70915	70012	-2	2.16	1915	11.19
561 Yellow-Green	C	7-AAD	98107	97104	-2	2.45	2609	11.46
561 Yellow-Green	B	PE-Cy5-5	113747	112092	-2	3.42	2645	10.26
561 Yellow-Green	A	PE-Cy7	33071	32050	-4	4.69	569	12.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17885	2.76	304	1	N/A	N/A	Pass
Blue	C	SSC	61656	2.24	337	-1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	46.73	573	-1	0.0348	0	Pass
Blue	A	PerCP	157	51.32	611	-1	0.0061	241	Pass
Red	C	Alexa Fluor 647	153	38.09	565	-1	0.0117	88	Pass
Red	B	APC-Alexa 700	503	17.28	593	-1	0.0122	1610	Pass
Red	A	APC-Cy7	399	32.42	649	5	0.0032	360	Pass
561 Yellow-Green	E	DsRed	502	16.58	627	-1	0.5881	0	Pass
561 Yellow-Green	D	PE-Texas Red	353	27.47	602	-5	0.0413	0	Pass
561 Yellow-Green	C	7-AAD	430	30.80	691	-3	0.0391	45	Pass

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561 Yellow-Green	B	PE-Cy5-5	430	28.65	644	-11	0.0295	319	Pass
561 Yellow-Green	A	PE-Cy7	96	30.29	462	1	0.0296	21	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	-69.59	-68.83	1.07
561 Yellow-Green	-36.27	-35.36	1.04
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 10982

Fluidics

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

Comments