

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: 03/12/2018 11:12 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	122068	-3	1.44	122326	1.45
Blue	C	SSC	125000	123203	-2	2.19	124490	2.18
Blue	B	Alexa Fluor 488	28577	27760	-3	2.42	762	12.27
Blue	A	PerCP	46788	45751	-3	6.09	1052	18.12
Red	C	Alexa Fluor 647	30278	30266	-1	3.21	824	16.65
Red	B	APC-Alexa 700	132138	132052	-1	8.59	2870	7.56
Red	A	APC-Cy7	121354	121116	-1	11.43	2293	13.36
561 Yellow-Green	E	DsRed	85861	84764	-2	1.71	2505	6.72
561 Yellow-Green	D	PE-Texas Red	70915	70031	-2	2.18	1917	10.95
561 Yellow-Green	C	7-AAD	98107	96693	-2	3.49	2580	10.83
561 Yellow-Green	B	PE-Cy5-5	113747	111787	-2	7.74	2601	10.09
561 Yellow-Green	A	PE-Cy7	33071	31755	-4	13.39	561	12.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17717	2.04	303	0	N/A	N/A	Pass
Blue	C	SSC	60110	1.75	335	-3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	46.13	570	-4	0.0464	0	Pass
Blue	A	PerCP	158	52.12	609	-3	0.0067	392	Pass
Red	C	Alexa Fluor 647	157	38.59	569	3	0.0107	49	Pass
Red	B	APC-Alexa 700	502	17.78	597	3	-0.0088	0	Pass
Red	A	APC-Cy7	398	33.26	653	9	0.0321	33684	Pass
561 Yellow-Green	E	DsRed	496	16.78	626	-2	0.6543	6	Pass
561 Yellow-Green	D	PE-Texas Red	350	27.28	603	-4	0.0434	4	Pass
561 Yellow-Green	C	7-AAD	424	29.80	690	-4	0.0478	88	Pass

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561 Yellow-Green	B	PE-Cy5-5	421	28.19	647	-8	0.1153	2680	Pass
561 Yellow-Green	A	PE-Cy7	93	31.30	461	0	-0.0757	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	-69.39	-68.81	1.08
561 Yellow-Green	-36.10	-35.44	1.04
Blue	0.00	0.00	1.24

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 12429

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.77
Nozzle Size: 100

Comments