

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: 05/14/2018 11:22 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	124446	-1	2.71	124810	2.38
Blue	C	SSC	125000	124252	-1	3.01	125578	2.99
Blue	B	Alexa Fluor 488	28577	28128	-2	2.94	773	13.29
Blue	A	PerCP	46788	46001	-2	4.69	1029	18.23
Red	C	Alexa Fluor 647	30278	29614	-3	3.23	795	16.61
Red	B	APC-Alexa 700	132138	132135	-1	3.41	2754	7.63
Red	A	APC-Cy7	121354	119668	-2	4.06	2143	13.59
561 Yellow-Green	E	DsRed	85861	85141	-1	2.05	2524	6.95
561 Yellow-Green	D	PE-Texas Red	70915	70199	-2	2.38	1929	11.25
561 Yellow-Green	C	7-AAD	98107	97712	-1	2.79	2575	11.23
561 Yellow-Green	B	PE-Cy5-5	113747	113401	-1	3.46	2569	10.18
561 Yellow-Green	A	PE-Cy7	33071	32232	-3	4.05	535	12.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17927	3.91	304	1	N/A	N/A	Pass
Blue	C	SSC	60706	2.55	337	-1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	114	45.74	575	1	0.0373	0	Pass
Blue	A	PerCP	150	52.61	609	-3	0.0063	274	Pass
Red	C	Alexa Fluor 647	151	38.24	563	-3	0.0109	37	Pass
Red	B	APC-Alexa 700	477	17.99	588	-6	0.0109	1006	Pass
Red	A	APC-Cy7	367	32.95	642	-2	0.0031	78	Pass
561 Yellow-Green	E	DsRed	492	16.54	625	-3	0.6046	0	Pass
561 Yellow-Green	D	PE-Texas Red	347	27.44	601	-6	0.0407	0	Pass
561 Yellow-Green	C	7-AAD	425	29.65	688	-6	0.0419	32	Pass

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561 Yellow-Green	B	PE-Cy5-5	412	28.01	637	-18	0.0310	243	Pass
561 Yellow-Green	A	PE-Cy7	89	31.03	456	-5	0.0291	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	-69.55	-68.84	1.07
561 Yellow-Green	-36.21	-35.40	1.04
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 0.97

Threshold

Threshold (FSC): 10043

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.77
Nozzle Size: 100

Comments