

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: 04/09/2018 11:16 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	124559	-1	1.85	124710	1.81
Blue	C	SSC	125000	123331	-2	2.93	124611	2.88
Blue	B	Alexa Fluor 488	28577	27949	-3	2.79	765	13.50
Blue	A	PerCP	46788	46088	-2	4.16	1042	18.30
Red	C	Alexa Fluor 647	30278	30067	-1	3.30	809	17.36
Red	B	APC-Alexa 700	132138	133057	0	2.72	2844	7.94
Red	A	APC-Cy7	121354	123887	2	3.52	2303	14.19
561 Yellow-Green	E	DsRed	85861	85223	-1	1.74	2522	6.93
561 Yellow-Green	D	PE-Texas Red	70915	70368	-1	2.11	1928	11.13
561 Yellow-Green	C	7-AAD	98107	97409	-1	2.29	2587	11.25
561 Yellow-Green	B	PE-Cy5-5	113747	113149	-1	2.28	2617	10.13
561 Yellow-Green	A	PE-Cy7	33071	32142	-3	2.79	552	12.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17516	2.34	303	0	N/A	N/A	Pass
Blue	C	SSC	59684	2.54	336	-2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	46.23	572	-2	0.0355	0	Pass
Blue	A	PerCP	156	51.32	608	-4	0.0060	220	Pass
Red	C	Alexa Fluor 647	153	40.15	573	7	0.0099	35	Pass
Red	B	APC-Alexa 700	487	18.78	599	5	0.0082	323	Pass
Red	A	APC-Cy7	388	34.12	657	13	0.0026	0	Pass
561 Yellow-Green	E	DsRed	493	16.78	626	-2	0.5965	0	Pass
561 Yellow-Green	D	PE-Texas Red	348	27.72	604	-3	0.0417	0	Pass
561 Yellow-Green	C	7-AAD	421	29.43	688	-6	0.0401	10	Pass

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561 Yellow-Green	B	PE-Cy5-5	413	28.17	641	-14	0.0280	180	Pass
561 Yellow-Green	A	PE-Cy7	89	32.38	458	-3	0.0259	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	-69.93	-69.02	1.06
561 Yellow-Green	-36.52	-35.52	1.03
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 11619

Fluidics

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

Comments