

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: 02/19/2018 11:15 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	125200	0	1.25	125327	1.26
Blue	C	SSC	125000	126056	0	2.33	127228	2.32
Blue	B	Alexa Fluor 488	28577	28187	-2	2.41	771	13.39
Blue	A	PerCP	46788	45838	-3	5.73	1047	17.78
Red	C	Alexa Fluor 647	30278	30430	0	3.3	822	17.68
Red	B	APC-Alexa 700	132138	133818	1	8.34	2945	7.81
Red	A	APC-Cy7	121354	122220	0	11.18	2351	13.79
561 Yellow-Green	E	DsRed	85861	85191	-1	1.79	2524	7.07
561 Yellow-Green	D	PE-Texas Red	70915	70676	-1	2.18	1937	10.95
561 Yellow-Green	C	7-AAD	98107	97293	-1	3.41	2591	11.34
561 Yellow-Green	B	PE-Cy5-5	113747	111427	-3	7.86	2632	10.19
561 Yellow-Green	A	PE-Cy7	33071	31808	-4	13.79	575	12.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17196	2.03	300	-3	N/A	N/A	Pass
Blue	C	SSC	61082	1.7	335	-3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	113	45.62	569	-5	0.0356	0	Pass
Blue	A	PerCP	155	51	607	-5	0.0069	339	Pass
Red	C	Alexa Fluor 647	154	40.43	574	8	0.0094	4	Pass
Red	B	APC-Alexa 700	515	18.3	605	11	-0.0112	0	Pass
Red	A	APC-Cy7	403	34.09	661	17	0.0133	13105	Pass
561 Yellow-Green	E	DsRed	494	16.47	625	-3	0.5607	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	27.55	603	-4	0.0435	10	Pass
561 Yellow-Green	C	7-AAD	425	29.65	688	-6	0.0420	32	Pass

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561 Yellow-Green	B	PE-Cy5-5	419	28.26	647	-8	0.1088	2476	Pass
561 Yellow-Green	A	PE-Cy7	95	30.62	462	1	-0.0665	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	-69.57	-68.98	1.08
561 Yellow-Green	-36.23	-35.63	1.04
Blue	0.00	0.00	1.24

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 12564

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.77
Nozzle Size: 100

Comments