

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: 07/02/2018 11:26 AM
 Cytometer Baseline: 06/28/2018 12:14 PM
 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	124792	-1	1.84	124959	1.79
Blue	C	SSC	125000	125323	0	2.48	126571	2.48
Blue	B	Alexa Fluor 488	29033	28511	-2	2.54	783	13.64
Blue	A	PerCP	45621	45005	-2	4.34	1021	17.83
Red	C	Alexa Fluor 647	30264	29793	-2	3.04	800	16.10
Red	B	APC-Alexa 700	137013	136148	-1	4.14	2924	7.36
Red	A	APC-Cy7	128551	126075	-2	5.14	2344	13.14
561 Yellow-Green	E	DsRed	84448	84136	-1	1.66	2519	6.77
561 Yellow-Green	D	PE-Texas Red	71641	71058	-1	2.29	1948	11.99
561 Yellow-Green	C	7-AAD	104415	103046	-2	2.51	2740	11.05
561 Yellow-Green	B	PE-Cy5-5	117111	114831	-2	3.81	2660	9.48
561 Yellow-Green	A	PE-Cy7	33436	31933	-5	5.55	545	12.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17306	2.59	310	7	N/A	N/A	Pass
Blue	C	SSC	60884	2.15	338	0	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	115	45.39	577	-2	0.0338	0	Pass
Blue	A	PerCP	151	50.96	610	0	0.0064	261	Pass
Red	C	Alexa Fluor 647	151	37.32	563	-2	0.0116	41	Pass
Red	B	APC-Alexa 700	507	17.95	594	2	0.0157	3737	Pass
Red	A	APC-Cy7	401	32.08	648	2	0.0036	467	Pass
561 Yellow-Green	E	DsRed	502	16.20	623	-4	0.6142	0	Pass
561 Yellow-Green	D	PE-Texas Red	357	30.08	619	-4	0.0364	22	Pass
561 Yellow-Green	C	7-AAD	455	29.04	692	-4	0.0423	25	Pass

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561 Yellow-Green	B	PE-Cy5-5	432	26.31	629	-2	0.0386	359	Pass
561 Yellow-Green	A	PE-Cy7	92	29.99	457	-2	0.0363	70	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	-69.54	-68.73	1.06
561 Yellow-Green	-36.25	-35.40	1.04
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 9711

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.77
Nozzle Size: 100

Comments