

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: 01/07/2019 04:30 PM
 Cytometer Baseline: 01/07/2019 04:25 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019
 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	120400	-4	5.02	120451	5.05
Blue	C	SSC	125000	120858	-4	5.13	122124	5.13
Blue	B	Alexa Fluor 488	27175	25826	-5	4.91	647	16.16
Blue	A	PerCP	34893	33709	-4	5.92	966	21.45
Red	C	Alexa Fluor 647	25689	25250	-2	3.49	671	18.94
Red	B	APC-Alexa 700	82209	81891	-1	2.96	2686	8.13
Red	A	APC-Cy7	72773	72653	-1	3.76	2172	14.10
561 Yellow-Green	E	DsRed	99857	99575	-1	1.79	2506	7.43
561 Yellow-Green	D	PE-Texas Red	77376	77114	-1	2.22	1768	12.09
561 Yellow-Green	C	7-AAD	84099	83796	-1	2.58	2625	12.42
561 Yellow-Green	B	PE-Cy5-5	74528	74266	-1	2.93	2493	10.90
561 Yellow-Green	A	PE-Cy7	19231	18587	-4	3.50	525	13.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17118	6.23	316	0	N/A	N/A	Pass
Blue	C	SSC	58061	5.58	341	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	105	50.58	578	-1	0.0284	0	Pass
Blue	A	PerCP	141	61.12	626	0	0.0048	236	Pass
Red	C	Alexa Fluor 647	113	45.73	571	-1	0.0097	4	Pass
Red	B	APC-Alexa 700	383	20.89	591	0	0.0094	17	Pass
Red	A	APC-Cy7	300	37.59	646	0	0.0029	0	Pass
561 Yellow-Green	E	DsRed	575	15.91	633	0	0.5525	0	Pass
561 Yellow-Green	D	PE-Texas Red	375	26.81	606	0	0.0390	0	Pass
561 Yellow-Green	C	7-AAD	426	32.59	703	0	0.0395	16	Pass

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561 Yellow-Green	B	PE-Cy5-5	359	31.86	644	0	0.0268	152	Pass
561 Yellow-Green	A	PE-Cy7	75	34.53	457	-2	0.0249	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	-69.94	-69.19	1.06
561 Yellow-Green	-36.31	-35.66	1.03
Blue	0.00	0.00	1.24

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 9650

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.77
Nozzle Size: 100

Comments