Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	04/01/2019 11:20 AM
Cytometer Configuration:	100 microns 25PSI standard	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	124879	-1	1.98	124934	2.03
Blue	C	SSC	125000	123408	-2	3.10	124511	3.15
Blue	B	Alexa Fluor 488	27175	26809	-2	3.05	668	16.47
Blue	A	PerCP	34893	35048	0	4.88	999	22.75
Red	C	Alexa Fluor 647	25689	25386	-2	4.05	669	18.82
Red	B	APC-Alexa 700	82209	81594	-1	4.00	2699	8.48
Red	A	APC-Cy7	72773	72245	-1	4.79	2182	13.80
561 Yellow-Green	E	DsRed	99857	98857	-2	1.77	2472	7.36
561 Yellow-Green	D	PE-Texas Red	77376	76478	-2	2.13	1752	11.86
561 Yellow-Green	C	7-AAD	84099	83909	-1	2.44	2623	11.92
561 Yellow-Green	B	PE-Cy5-5	74528	73918	-1	2.62	2499	9.96
561 Yellow-Green	A	PE-Cy7	19231	18525	-4	3.33	526	12.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17855	3.90	341	25	N/A	N/A	Pass
Blue	C	SSC	60565	2.34	351	12	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	54.97	595	16	0.0265	14	Pass
Blue	A	PerCP	144	67.28	643	17	0.0042	280	Pass
Red	C	Alexa Fluor 647	114	46.25	572	0	0.0102	44	Pass
Red	B	APC-Alexa 700	393	20.56	589	-2	0.0096	40	Pass
Red	A	APC-Cy7	309	37.69	645	-1	0.0033	292	Pass
561 Yellow-Green	E	DsRed	579	15.98	632	-1	0.5767	0	Pass
561 Yellow-Green	D	PE-Texas Red	375	27.07	604	-2	0.0412	0	Pass
561 Yellow-Green	C	7-AAD	429	32.83	702	-1	0.0441	58	Pass

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		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	366	30.65	630	-14	0.0334	278	Pass
561 Yellow-Green	A	PE-Cy7	76	33.61	457	-2	0.0263	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	-70.62	-69.89	1.05
561 Yellow-Green	-36.81	-36.06	1.02
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 9736

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.77
Nozzle Size: 100

Comments