

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: 05/20/2019 11:52 AM
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	126315	1	1.87	126488	1.84
Blue	C	SSC	125000	122923	-2	2.43	123939	2.48
Blue	B	Alexa Fluor 488	27175	26866	-2	2.79	665	16.47
Blue	A	PerCP	34893	34773	-1	5.08	1004	23.07
Red	C	Alexa Fluor 647	25689	25354	-2	3.70	671	18.76
Red	B	APC-Alexa 700	82209	81277	-2	4.14	2754	8.01
Red	A	APC-Cy7	72773	72013	-2	5.06	2252	13.67
561 Yellow-Green	E	DsRed	99857	99563	-1	1.78	2455	7.19
561 Yellow-Green	D	PE-Texas Red	77376	76992	-1	2.19	1752	11.98
561 Yellow-Green	C	7-AAD	84099	83612	-1	2.75	2628	11.93
561 Yellow-Green	B	PE-Cy5-5	74528	74416	-1	3.32	2555	10.06
561 Yellow-Green	A	PE-Cy7	19231	18489	-4	4.45	543	12.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17267	3.16	346	30	N/A	N/A	Pass
Blue	C	SSC	58476	2.19	354	15	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	105	51.12	599	20	0.0246	0	Pass
Blue	A	PerCP	142	69.10	648	22	0.0040	290	Pass
Red	C	Alexa Fluor 647	114	46.25	573	1	0.0101	42	Pass
Red	B	APC-Alexa 700	401	20.13	591	0	0.0123	956	Pass
Red	A	APC-Cy7	319	36.46	647	1	0.0033	191	Pass
561 Yellow-Green	E	DsRed	563	15.39	633	0	0.6066	0	Pass
561 Yellow-Green	D	PE-Texas Red	373	26.47	604	-2	0.0399	0	Pass
561 Yellow-Green	C	7-AAD	428	31.92	705	2	0.0437	36	Pass

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561 Yellow-Green	B	PE-Cy5-5	373	28.92	633	-11	0.0327	172	Pass
561 Yellow-Green	A	PE-Cy7	79	34.66	459	0	0.0299	41	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	-70.52	-69.86	1.05
561 Yellow-Green	-36.57	-35.96	1.03
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 12176

Fluidics

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

Comments