

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: 09/28/2020 11:00 AM
 Cytometer Baseline: 01/06/2020 04:02 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 83326 Expiration Date: 11/30/2020
 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	128594	2	2.65	128756	2.57
Blue	C	SSC	125000	127578	2	4.22	128379	4.22
Blue	B	Alexa Fluor 488	29683	30343	2	3.87	753	18.76
Blue	A	PerCP	28186	29888	6	6.12	892	29.96
Red	C	Alexa Fluor 647	20935	20769	-1	3.74	587	19.01
Red	B	APC-Alexa 700	64225	63625	-1	3.78	1933	9.16
Red	A	APC-Cy7	56829	57291	0	4.87	1576	16.05
561 Yellow-Green	E	DsRed	99854	99077	-1	1.88	2412	7.64
561 Yellow-Green	D	PE-Texas Red	76183	75500	-1	2.13	1682	12.35
561 Yellow-Green	C	7-AAD	75562	74588	-2	2.71	2284	13.19
561 Yellow-Green	B	PE-Cy5-5	59959	59413	-1	3.53	1924	11.71
561 Yellow-Green	A	PE-Cy7	13836	13210	-5	4.60	347	15.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15639	9.24	442	19	N/A	N/A	Pass
Blue	C	SSC	58310	4.61	380	16	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	119	59.87	648	14	0.0196	8	Pass
Blue	A	PerCP	133	90.75	686	21	0.0027	328	Pass
Red	C	Alexa Fluor 647	113	44.61	571	-8	0.0110	61	Pass
Red	B	APC-Alexa 700	474	18.18	594	-8	0.0102	16	Pass
Red	A	APC-Cy7	395	33.49	647	-9	0.0034	353	Pass
561 Yellow-Green	E	DsRed	527	17.18	638	-9	0.5634	0	Pass
561 Yellow-Green	D	PE-Texas Red	348	28.98	607	-9	0.0397	1	Pass
561 Yellow-Green	C	7-AAD	472	32.19	710	-13	0.0400	27	Pass

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561 Yellow-Green	B	PE-Cy5-5	438	27.05	635	-11	0.0314	182	Pass
561 Yellow-Green	A	PE-Cy7	86	30.33	457	-10	0.0274	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	-73.60	-73.13	1.00
561 Yellow-Green	-38.21	-37.79	0.99
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 1.03

Threshold

Threshold (FSC): 10327

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.70
Nozzle Size: 100

Comments