

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: 07/27/2020 09:45 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	124352	-1	2.61	124463	2.60
Blue	C	SSC	125000	123887	-1	4.38	124515	4.36
Blue	B	Alexa Fluor 488	29683	29579	-1	3.77	739	19.39
Blue	A	PerCP	28186	28137	-1	5.84	835	30.06
Red	C	Alexa Fluor 647	20935	20835	-1	4.14	590	19.38
Red	B	APC-Alexa 700	64225	64316	0	4.02	1946	9.32
Red	A	APC-Cy7	56829	57122	0	5.31	1559	16.41
561 Yellow-Green	E	DsRed	99854	99622	-1	1.48	2441	7.45
561 Yellow-Green	D	PE-Texas Red	76183	76081	-1	1.93	1700	12.51
561 Yellow-Green	C	7-AAD	75562	74804	-2	2.68	2286	13.27
561 Yellow-Green	B	PE-Cy5-5	59959	59216	-2	3.54	1910	11.44
561 Yellow-Green	A	PE-Cy7	13836	13061	-6	5.05	344	14.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15768	7.25	433	10	N/A	N/A	Pass
Blue	C	SSC	56652	4.47	381	17	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	118	58.45	649	15	0.0175	0	Pass
Blue	A	PerCP	123	91.13	679	14	0.0027	312	Pass
Red	C	Alexa Fluor 647	112	46.33	577	-2	0.0107	81	Pass
Red	B	APC-Alexa 700	472	19.20	598	-4	0.0105	675	Pass
Red	A	APC-Cy7	385	33.98	652	-4	0.0033	231	Pass
561 Yellow-Green	E	DsRed	526	17.28	642	-5	0.5817	0	Pass
561 Yellow-Green	D	PE-Texas Red	346	29.65	610	-6	0.0384	2	Pass
561 Yellow-Green	C	7-AAD	471	32.33	713	-10	0.0395	24	Pass

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561 Yellow-Green	B	PE-Cy5-5	431	26.52	632	-14	0.0332	178	Pass
561 Yellow-Green	A	PE-Cy7	85	31.03	455	-12	0.0300	16	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	-73.55	-72.99	1.00
561 Yellow-Green	-38.26	-37.67	0.99
Blue	0.00	0.00	1.14

Window Extension: 2.00
FSC Area Scaling Factor: 1.01

Threshold

Threshold (FSC): 10701

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.73
Nozzle Size: 100

Comments