

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: 03/09/2020 04:01 PM
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	123832	-1	2.64	123839	2.67
Blue	C	SSC	125000	123188	-2	5.51	123932	5.49
Blue	B	Alexa Fluor 488	29683	29451	-1	4.33	731	17.82
Blue	A	PerCP	28186	28290	0	6.32	840	27.76
Red	C	Alexa Fluor 647	20935	20619	-2	3.77	585	19.58
Red	B	APC-Alexa 700	64225	62612	-3	4.01	1910	9.12
Red	A	APC-Cy7	56829	55957	-2	5.04	1546	16.51
561 Yellow-Green	E	DsRed	99854	99305	-1	2.12	2425	7.92
561 Yellow-Green	D	PE-Texas Red	76183	75714	-1	2.59	1687	13.05
561 Yellow-Green	C	7-AAD	75562	74847	-1	3.47	2284	13.88
561 Yellow-Green	B	PE-Cy5-5	59959	59311	-2	4.20	1919	11.86
561 Yellow-Green	A	PE-Cy7	13836	13085	-6	5.28	346	15.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16754	6.07	399	-24	N/A	N/A	Pass
Blue	C	SSC	56716	5.56	367	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	55.60	627	-7	0.0221	0	Pass
Blue	A	PerCP	129	79.72	662	-3	0.0032	254	Pass
Red	C	Alexa Fluor 647	111	46.67	576	-3	0.0103	70	Pass
Red	B	APC-Alexa 700	463	18.78	600	-2	0.0111	656	Pass
Red	A	APC-Cy7	382	33.17	649	-7	0.0031	0	Pass
561 Yellow-Green	E	DsRed	530	17.97	648	1	0.5341	0	Pass
561 Yellow-Green	D	PE-Texas Red	347	29.99	618	2	0.0356	0	Pass
561 Yellow-Green	C	7-AAD	468	33.65	724	1	0.0373	29	Pass

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561 Yellow-Green	B	PE-Cy5-5	432	28.21	644	-2	0.0329	286	Pass
561 Yellow-Green	A	PE-Cy7	85	31.40	461	-6	0.0251	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	-72.06	-71.36	1.03
561 Yellow-Green	-37.41	-36.91	1.00
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 1.05

Threshold

Threshold (FSC): 11619

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.66
Nozzle Size: 100

Comments