

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: 08/06/2019 02:38 PM
 Cytometer Baseline: 07/08/2019 01:54 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	126746	1	2.81	126809	2.84
Blue	C	SSC	125000	123566	-2	3.43	124611	3.41
Blue	B	Alexa Fluor 488	24509	24538	0	3.50	610	16.94
Blue	A	PerCP	28083	28201	0	5.21	819	22.53
Red	C	Alexa Fluor 647	27476	27149	-2	3.84	717	18.91
Red	B	APC-Alexa 700	71237	70579	-1	4.66	2411	8.50
Red	A	APC-Cy7	63557	63163	-1	5.74	2007	13.97
561 Yellow-Green	E	DsRed	87567	86878	-1	2.41	2131	7.92
561 Yellow-Green	D	PE-Texas Red	65512	64847	-2	2.96	1470	12.44
561 Yellow-Green	C	7-AAD	69736	69920	0	3.25	2203	12.06
561 Yellow-Green	B	PE-Cy5-5	63787	63114	-2	4.13	2172	10.52
561 Yellow-Green	A	PE-Cy7	18452	17703	-5	5.61	528	13.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17747	5.29	345	-20	N/A	N/A	Pass
Blue	C	SSC	59380	3.55	354	-5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	53.59	592	-16	0.0238	0	Pass
Blue	A	PerCP	117	67.52	630	-15	0.0042	313	Pass
Red	C	Alexa Fluor 647	120	46.01	579	-2	0.0099	16	Pass
Red	B	APC-Alexa 700	350	21.12	583	0	0.0111	1077	Pass
Red	A	APC-Cy7	282	37.61	639	1	0.0032	388	Pass
561 Yellow-Green	E	DsRed	490	16.44	625	-3	0.5142	0	Pass
561 Yellow-Green	D	PE-Texas Red	311	27.83	594	-2	0.0386	0	Pass
561 Yellow-Green	C	7-AAD	352	33.04	691	-1	0.0439	53	Pass

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561 Yellow-Green	B	PE-Cy5-5	316	30.22	623	-1	0.0317	213	Pass
561 Yellow-Green	A	PE-Cy7	76	35.11	462	-1	0.0263	4	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	-71.49	-70.84	1.04
561 Yellow-Green	-37.13	-36.41	1.01
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 11055

Fluidics

Sheath Pressure: 24.75 Sample Pressure: 23.77
Nozzle Size: 100

Comments