

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: 12/16/2019 11:32 AM
 Cytometer Baseline: 11/13/2019 09:43 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019 (Expired)
 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	124980	-1	2.24	125115	2.27
Blue	C	SSC	125000	123403	-2	3.98	124347	3.96
Blue	B	Alexa Fluor 488	25980	26020	0	3.51	651	18.67
Blue	A	PerCP	28221	28200	-1	5.94	827	25.78
Red	C	Alexa Fluor 647	25052	24618	-2	3.74	655	18.44
Red	B	APC-Alexa 700	71160	69059	-3	5.03	2425	8.14
Red	A	APC-Cy7	63856	62390	-3	6.58	2039	13.73
561 Yellow-Green	E	DsRed	80340	79739	-1	1.87	1938	8.04
561 Yellow-Green	D	PE-Texas Red	59115	58547	-1	2.33	1332	13.03
561 Yellow-Green	C	7-AAD	65703	64769	-2	3.17	2057	12.26
561 Yellow-Green	B	PE-Cy5-5	55719	54562	-3	4.96	1913	10.70
561 Yellow-Green	A	PE-Cy7	18261	17153	-7	7.20	528	13.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	10580	7.28	426	7	N/A	N/A	Pass
Blue	C	SSC	58103	4.54	371	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	102	56.89	625	-1	0.0186	0	Pass
Blue	A	PerCP	112	81.15	651	-1	0.0032	356	Pass
Red	C	Alexa Fluor 647	108	46.60	574	-2	0.0105	56	Pass
Red	B	APC-Alexa 700	346	20.30	582	-6	0.0153	2079	Pass
Red	A	APC-Cy7	281	36.39	638	-3	0.0036	420	Pass
561 Yellow-Green	E	DsRed	439	17.22	626	-1	0.4855	0	Pass
561 Yellow-Green	D	PE-Texas Red	280	28.59	591	-2	0.0336	0	Pass
561 Yellow-Green	C	7-AAD	327	33.55	690	-2	0.0417	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	277	31.04	613	-5	0.0333	310	Pass
561 Yellow-Green	A	PE-Cy7	74	34.06	463	-3	0.0282	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	-72.42	-71.81	1.03
561 Yellow-Green	-37.67	-37.06	1.00
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 1.05

Threshold

Threshold (FSC): 10382

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.77
Nozzle Size: 100

Comments