

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: 08/13/2018 11:23 AM
 Cytometer Baseline: 07/23/2018 03:46 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	125354	0	1.60	125448	1.61
Blue	C	SSC	125000	123242	-2	4.69	124305	4.65
Blue	B	Alexa Fluor 488	29033	28742	-2	4.60	718	14.63
Blue	A	PerCP	32923	32722	-1	5.42	947	20.01
Red	C	Alexa Fluor 647	23888	24112	0	4.05	639	19.52
Red	B	APC-Alexa 700	79008	79792	0	5.29	2674	8.45
Red	A	APC-Cy7	69641	70051	0	6.46	2161	14.48
561 Yellow-Green	E	DsRed	90846	89321	-2	2.55	2218	7.74
561 Yellow-Green	D	PE-Texas Red	78468	77614	-2	2.95	1762	12.30
561 Yellow-Green	C	7-AAD	78834	77788	-2	3.25	2444	12.25
561 Yellow-Green	B	PE-Cy5-5	68459	67334	-2	4.43	2284	11.81
561 Yellow-Green	A	PE-Cy7	18684	17496	-7	5.97	507	12.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19814	5.21	317	17	N/A	N/A	Pass
Blue	C	SSC	58299	6.14	341	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	115	46.42	583	6	0.0355	0	Pass
Blue	A	PerCP	137	57.80	618	2	0.0055	259	Pass
Red	C	Alexa Fluor 647	106	47.44	571	6	0.0092	10	Pass
Red	B	APC-Alexa 700	389	21.12	595	3	0.0149	2406	Pass
Red	A	APC-Cy7	308	38.99	652	6	0.0033	575	Pass
561 Yellow-Green	E	DsRed	504	16.71	624	-1	0.5567	0	Pass
561 Yellow-Green	D	PE-Texas Red	368	28.38	604	-3	0.0400	6	Pass
561 Yellow-Green	C	7-AAD	396	32.64	693	-6	0.0421	36	Pass

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561 Yellow-Green	B	PE-Cy5-5	327	35.28	653	-9	0.0249	257	Pass
561 Yellow-Green	A	PE-Cy7	73	33.89	454	-8	0.0320	29	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	-69.39	-68.57	1.07
561 Yellow-Green	-36.12	-35.40	1.05
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 11627

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.77
Nozzle Size: 100

Comments