

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: 04/23/2018 11:20 AM
 Cytometer Baseline: 02/01/2018 10:15 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018 (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	124511	-1	1.6	124611	1.57
Blue	C	SSC	125000	123771	-1	2.63	125012	2.59
Blue	B	Alexa Fluor 488	28577	27863	-3	2.57	764	13.73
Blue	A	PerCP	46788	45950	-2	4.23	1046	18.36
Red	C	Alexa Fluor 647	30278	30145	-1	3.21	811	16.71
Red	B	APC-Alexa 700	132138	132055	-1	4.19	2858	7.64
Red	A	APC-Cy7	121354	121341	-1	5.29	2279	13.62
561 Yellow-Green	E	DsRed	85861	85543	-1	1.72	2529	6.78
561 Yellow-Green	D	PE-Texas Red	70915	70275	-1	2.12	1922	11.15
561 Yellow-Green	C	7-AAD	98107	96977	-2	2.44	2576	11.3
561 Yellow-Green	B	PE-Cy5-5	113747	111706	-2	3.44	2595	9.92
561 Yellow-Green	A	PE-Cy7	33071	31607	-5	4.42	546	12.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17804	2.65	306	3	N/A	N/A	Pass
Blue	C	SSC	60694	2.18	337	-1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	47.32	574	0	0.0342	0	Pass
Blue	A	PerCP	155	51.32	611	-1	0.0059	205	Pass
Red	C	Alexa Fluor 647	155	38.59	568	2	0.0108	44	Pass
Red	B	APC-Alexa 700	499	17.98	596	2	0.0131	2576	Pass
Red	A	APC-Cy7	396	32.99	651	7	0.0033	510	Pass
561 Yellow-Green	E	DsRed	506	16.64	625	-3	0.6354	4	Pass
561 Yellow-Green	D	PE-Texas Red	355	26.72	601	-6	0.0410	0	Pass
561 Yellow-Green	C	7-AAD	432	29.37	687	-7	0.0403	21	Pass

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561 Yellow-Green	B	PE-Cy5-5	425	28.07	640	-15	0.0332	378	Pass
561 Yellow-Green	A	PE-Cy7	92	29.65	458	-3	0.0268	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	-69.95	-69.09	1.06
561 Yellow-Green	-36.50	-35.62	1.03
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 10894

Fluidics

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

Comments