

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: 12/17/2018 11:16 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	125065	0	2.05	125200	2.03
Blue	C	SSC	125000	126709	1	2.57	127808	2.53
Blue	B	Alexa Fluor 488	29033	28251	-3	2.65	705	14.67
Blue	A	PerCP	32923	32707	-1	4.51	941	19.86
Red	C	Alexa Fluor 647	23888	23368	-3	3.32	622	18.63
Red	B	APC-Alexa 700	79008	78823	-1	3.54	2632	7.73
Red	A	APC-Cy7	69641	69907	0	4.69	2138	13.69
561 Yellow-Green	E	DsRed	90846	90737	-1	1.73	2263	7.39
561 Yellow-Green	D	PE-Texas Red	78468	77867	-1	2.12	1777	11.82
561 Yellow-Green	C	7-AAD	78834	78324	-1	2.63	2455	11.80
561 Yellow-Green	B	PE-Cy5-5	68459	67890	-1	3.34	2303	10.59
561 Yellow-Green	A	PE-Cy7	18684	17832	-5	4.82	515	12.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17915	3.42	311	11	N/A	N/A	Pass
Blue	C	SSC	61221	2.29	340	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	113	49.42	578	1	0.0338	0	Pass
Blue	A	PerCP	138	57.73	615	-1	0.0055	272	Pass
Red	C	Alexa Fluor 647	102	47.38	565	0	0.0102	56	Pass
Red	B	APC-Alexa 700	373	20.52	587	-5	0.0125	992	Pass
Red	A	APC-Cy7	298	37.20	645	-1	0.0033	178	Pass
561 Yellow-Green	E	DsRed	512	16.17	625	0	0.5681	0	Pass
561 Yellow-Green	D	PE-Texas Red	370	26.92	604	-3	0.0412	0	Pass
561 Yellow-Green	C	7-AAD	388	32.73	694	-5	0.0449	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	330	31.51	635	-27	0.0297	206	Pass
561 Yellow-Green	A	PE-Cy7	74	32.95	454	-8	0.0293	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	-70.35	-69.39	1.06
561 Yellow-Green	-36.63	-35.74	1.03
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 11128

Fluidics

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

Comments