

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: 10/08/2018 11:07 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	126243	0	0.79	126334	0.79
Blue	C	SSC	125000	122634	-2	1.92	123696	1.94
Blue	B	Alexa Fluor 488	29033	28711	-2	2.05	718	14.68
Blue	A	PerCP	32923	32563	-2	4.27	935	20.29
Red	C	Alexa Fluor 647	23888	24039	0	3.30	637	18.78
Red	B	APC-Alexa 700	79008	80485	1	2.79	2662	7.75
Red	A	APC-Cy7	69641	71028	1	3.87	2151	13.54
561 Yellow-Green	E	DsRed	90846	90095	-1	1.40	2258	7.09
561 Yellow-Green	D	PE-Texas Red	78468	78477	0	1.85	1797	11.91
561 Yellow-Green	C	7-AAD	78834	78059	-1	2.28	2446	12.02
561 Yellow-Green	B	PE-Cy5-5	68459	67385	-2	2.80	2266	11.48
561 Yellow-Green	A	PE-Cy7	18684	17635	-6	3.74	502	12.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17560	1.53	325	25	N/A	N/A	Pass
Blue	C	SSC	58916	1.23	344	11	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	114	45.85	588	11	0.0309	0	Pass
Blue	A	PerCP	136	59.30	623	7	0.0052	262	Pass
Red	C	Alexa Fluor 647	108	45.06	567	2	0.0098	0	Pass
Red	B	APC-Alexa 700	387	20.31	589	-3	0.0107	478	Pass
Red	A	APC-Cy7	303	37.13	646	0	0.0032	161	Pass
561 Yellow-Green	E	DsRed	521	15.65	625	0	0.6090	0	Pass
561 Yellow-Green	D	PE-Texas Red	381	26.66	604	-3	0.0400	0	Pass
561 Yellow-Green	C	7-AAD	397	32.13	693	-6	0.0421	27	Pass

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561 Yellow-Green	B	PE-Cy5-5	330	34.03	648	-14	0.0238	181	Pass
561 Yellow-Green	A	PE-Cy7	72	33.89	452	-10	0.0275	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	-69.59	-68.69	1.06
561 Yellow-Green	-36.20	-35.46	1.04
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 9924

Fluidics

Sheath Pressure: 24.89 Sample Pressure: 23.77
Nozzle Size: 100

Comments