

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: 01/15/2018 04:00 PM
 Cytometer Baseline: 01/12/2018 09:37 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018
 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	125507	0	1.39	125671	1.35
Blue	C	SSC	125000	123522	-2	3.04	124852	3.03
Blue	B	Alexa Fluor 488	24570	24245	-2	2.60	665	14.53
Blue	A	PerCP	41496	40722	-2	3.99	915	18.80
Red	C	Alexa Fluor 647	27716	27172	-2	4.03	727	16.67
Red	B	APC-Alexa 700	113969	112562	-2	3.33	2381	7.85
Red	A	APC-Cy7	111163	109355	-2	5.36	2004	14.87
561 Yellow-Green	E	DsRed	80518	80414	-1	1.75	2372	6.96
561 Yellow-Green	D	PE-Texas Red	63915	62875	-2	2.10	1720	11.42
561 Yellow-Green	C	7-AAD	99352	98303	-2	2.14	2601	11.33
561 Yellow-Green	B	PE-Cy5-5	111141	109553	-2	2.48	2507	10.39
561 Yellow-Green	A	PE-Cy7	31484	29961	-5	8.82	503	14.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13231	3.99	327	8	N/A	N/A	Pass
Blue	C	SSC	59536	2.61	346	-3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	48.86	569	0	0.0296	0	Pass
Blue	A	PerCP	134	55.90	610	3	0.0058	340	Pass
Red	C	Alexa Fluor 647	137	39.46	561	1	0.0113	93	Pass
Red	B	APC-Alexa 700	407	19.03	588	2	0.0096	1159	Pass
Red	A	APC-Cy7	337	36.41	658	1	0.0027	314	Pass
561 Yellow-Green	E	DsRed	462	16.92	624	2	0.5938	0	Pass
561 Yellow-Green	D	PE-Texas Red	312	29.20	600	1	0.0402	28	Pass
561 Yellow-Green	C	7-AAD	427	30.32	696	4	0.0400	32	Pass

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561 Yellow-Green	B	PE-Cy5-5	399	28.87	656	4	0.0271	192	Pass
561 Yellow-Green	A	PE-Cy7	83	32.38	462	0	0.0302	23	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	-75.75	-74.74	0.99
561 Yellow-Green	-39.40	-38.55	0.96
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9937

Fluidics

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

Comments