

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: 01/22/2018 11:36 AM
 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	126674	1	1.84	126854	1.82
Blue	C	SSC	125000	123692	-2	2.41	124985	2.43
Blue	B	Alexa Fluor 488	24570	24330	-1	2.40	669	13.76
Blue	A	PerCP	41496	41199	-1	3.85	922	18.23
Red	C	Alexa Fluor 647	27716	28258	1	3.58	758	17.11
Red	B	APC-Alexa 700	113969	116869	2	3.97	2464	8.70
Red	A	APC-Cy7	111163	114702	3	6.41	2109	15.90
561 Yellow-Green	E	DsRed	80518	79987	-1	2.19	2352	7.13
561 Yellow-Green	D	PE-Texas Red	63915	63750	-1	2.42	1742	11.18
561 Yellow-Green	C	7-AAD	99352	99039	-1	2.42	2616	11.09
561 Yellow-Green	B	PE-Cy5-5	111141	110265	-1	2.85	2529	10.57
561 Yellow-Green	A	PE-Cy7	31484	30634	-3	10.12	518	15.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12224	3.65	326	7	N/A	N/A	Pass
Blue	C	SSC	57588	2.75	346	-3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	48.86	569	0	0.0339	0	Pass
Blue	A	PerCP	131	55.14	608	1	0.0062	333	Pass
Red	C	Alexa Fluor 647	141	40.15	570	10	0.0104	55	Pass
Red	B	APC-Alexa 700	421	19.35	598	12	0.0075	79	Pass
Red	A	APC-Cy7	354	38.30	673	16	0.0024	343	Pass
561 Yellow-Green	E	DsRed	461	16.95	621	-1	0.5845	0	Pass
561 Yellow-Green	D	PE-Texas Red	316	28.30	598	-1	0.0424	23	Pass
561 Yellow-Green	C	7-AAD	427	29.59	691	-1	0.0422	30	Pass

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561 Yellow-Green	B	PE-Cy5-5	408	28.40	652	0	0.0263	154	Pass
561 Yellow-Green	A	PE-Cy7	85	33.32	463	1	0.0345	106	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	-75.81	-75.24	0.98
561 Yellow-Green	-39.49	-38.93	0.96
Blue	0.00	0.00	1.09

Window Extension: 2.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9877

Fluidics

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

Comments