

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: 05/09/2017 10:04 AM
 Cytometer Baseline: 01/23/2017 11:58 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017 (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	124471	-1	1.90	124596	1.94
Blue	C	SSC	125000	121438	-3	3.55	122619	3.66
Blue	B	Alexa Fluor 488	24259	23960	-2	2.98	567	20.04
Blue	A	PerCP	32944	32675	-1	5.17	885	24.25
Red	C	Alexa Fluor 647	25168	24981	-1	4.47	678	22.25
Red	B	APC-Alexa 700	79842	79033	-2	5.77	2186	10.29
Red	A	APC-Cy7	70914	70402	-1	7.38	1782	18.29
561 Yellow-Green	E	DsRed	93811	92450	-2	2.33	2407	8.68
561 Yellow-Green	D	PE-Texas Red	71426	71319	-1	2.83	1714	15.02
561 Yellow-Green	C	7-AAD	77597	76696	-2	3.17	2230	15.29
561 Yellow-Green	B	PE-Cy5-5	73870	73597	-1	4.78	2145	12.92
561 Yellow-Green	A	PE-Cy7	22072	21079	-5	8.65	510	17.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15477	2.80	331	-4	N/A	N/A	Pass
Blue	C	SSC	62898	3.28	362	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	72.41	588	2	0.0201	353	Pass
Blue	A	PerCP	137	75.35	634	1	0.0037	575	Pass
Red	C	Alexa Fluor 647	126	54.56	602	-1	0.0070	108	Pass
Red	B	APC-Alexa 700	459	21.78	627	5	0.0080	1820	Pass
Red	A	APC-Cy7	376	40.15	686	7	0.0022	534	Pass
561 Yellow-Green	E	DsRed	517	20.74	662	-6	0.3989	12	Pass
561 Yellow-Green	D	PE-Texas Red	338	39.85	635	-4	0.0266	164	Pass
561 Yellow-Green	C	7-AAD	414	42.41	726	-6	0.0291	180	Pass

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561 Yellow-Green	B	PE-Cy5-5	413	32.32	664	-1	0.0228	298	Pass
561 Yellow-Green	A	PE-Cy7	107	37.74	494	2	0.0225	113	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	-74.38	-73.45	1.01
561 Yellow-Green	-38.92	-37.94	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 11019

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.84
Nozzle Size: 100

Comments