

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: 03/05/2018 11:24 AM
 Cytometer Baseline: 02/01/2018 10:15 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018 (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	122400	-3	1.48	122649	1.45
Blue	C	SSC	125000	123186	-2	2.18	124334	2.18
Blue	B	Alexa Fluor 488	28577	28009	-2	2.28	766	12.47
Blue	A	PerCP	46788	45724	-3	5.29	1076	18.28
Red	C	Alexa Fluor 647	30278	30153	-1	3.24	820	16.58
Red	B	APC-Alexa 700	132138	129975	-2	7.57	2972	7.65
Red	A	APC-Cy7	121354	116734	-4	9.80	2357	13.52
561 Yellow-Green	E	DsRed	85861	84941	-2	1.62	2505	6.91
561 Yellow-Green	D	PE-Texas Red	70915	70041	-2	2.07	1908	11.02
561 Yellow-Green	C	7-AAD	98107	96402	-2	3.16	2592	11.03
561 Yellow-Green	B	PE-Cy5-5	113747	109372	-4	6.55	2650	10.18
561 Yellow-Green	A	PE-Cy7	33071	30229	-9	11.46	573	12.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17478	1.90	302	-1	N/A	N/A	Pass
Blue	C	SSC	60059	1.70	335	-3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	110	46.64	570	-4	0.0440	0	Pass
Blue	A	PerCP	157	52.53	611	-1	0.0061	299	Pass
Red	C	Alexa Fluor 647	155	39.12	572	6	0.0109	78	Pass
Red	B	APC-Alexa 700	527	17.92	603	9	-0.0171	0	Pass
Red	A	APC-Cy7	412	33.77	659	15	0.0075	7004	Pass
561 Yellow-Green	E	DsRed	501	16.34	624	-4	0.5906	0	Pass
561 Yellow-Green	D	PE-Texas Red	352	26.76	602	-5	0.0424	0	Pass
561 Yellow-Green	C	7-AAD	435	29.79	688	-6	0.0444	74	Pass

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561 Yellow-Green	B	PE-Cy5-5	435	28.02	647	-8	0.0540	1083	Pass
561 Yellow-Green	A	PE-Cy7	97	30.29	462	1	0.4792	6777	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	-69.21	-68.76	1.08
561 Yellow-Green	-35.97	-35.51	1.04
Blue	0.00	0.00	1.24

Window Extension: 2.00
FSC Area Scaling Factor: 1.01

Threshold

Threshold (FSC): 11886

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.77
Nozzle Size: 100

Comments