

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: 08/21/2017 11:19 AM
 Cytometer Baseline: 08/07/2017 11:48 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	124685	-1	1.93	124862	1.87
Blue	C	SSC	125000	122798	-2	3.11	124035	3.08
Blue	B	Alexa Fluor 488	27891	27715	-1	3.00	738	15.71
Blue	A	PerCP	36335	36554	0	4.99	926	21.26
Red	C	Alexa Fluor 647	31178	30725	-2	3.84	832	20.12
Red	B	APC-Alexa 700	151187	148928	-2	5.02	3871	9.04
Red	A	APC-Cy7	132410	129960	-2	6.50	3175	16.63
561 Yellow-Green	E	DsRed	89854	89181	-1	5.28	2542	9.60
561 Yellow-Green	D	PE-Texas Red	78195	77869	-1	5.51	2042	14.55
561 Yellow-Green	C	7-AAD	107664	107405	-1	5.75	2983	14.34
561 Yellow-Green	B	PE-Cy5-5	127783	127142	-1	6.55	3447	12.71
561 Yellow-Green	A	PE-Cy7	37041	36125	-3	7.70	826	16.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15344	2.96	340	-5	N/A	N/A	Pass
Blue	C	SSC	63477	2.74	364	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	110	51.97	603	-4	0.0261	0	Pass
Blue	A	PerCP	140	60.98	635	4	0.0040	346	Pass
Red	C	Alexa Fluor 647	155	46.51	604	-2	0.0072	18	Pass
Red	B	APC-Alexa 700	700	20.23	664	12	0.0069	2506	Pass
Red	A	APC-Cy7	569	39.45	726	23	0.0016	817	Pass
561 Yellow-Green	E	DsRed	507	20.65	667	-4	0.4365	6	Pass
561 Yellow-Green	D	PE-Texas Red	372	33.50	650	-4	0.0286	0	Pass
561 Yellow-Green	C	7-AAD	502	36.57	751	0	0.0279	75	Pass

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561 Yellow-Green	B	PE-Cy5-5	585	31.66	703	10	0.0198	369	Pass
561 Yellow-Green	A	PE-Cy7	149	36.58	520	16	0.0145	46	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	-74.60	-74.14	1.02
561 Yellow-Green	-38.71	-38.40	0.97
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10389

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.83
Nozzle Size: 100

Comments