

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: 05/22/2017 11:15 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	125713	0	2.37	125796	2.43
Blue	C	SSC	125000	123514	-2	4.56	124775	4.52
Blue	B	Alexa Fluor 488	24259	23895	-2	4.31	564	17.55
Blue	A	PerCP	32944	33017	0	5.48	885	21.98
Red	C	Alexa Fluor 647	25168	25002	-1	4.69	681	22.34
Red	B	APC-Alexa 700	79842	79941	0	3.44	2128	10.10
Red	A	APC-Cy7	70914	70773	-1	4.21	1705	17.68
561 Yellow-Green	E	DsRed	93811	93658	-1	2.46	2433	8.65
561 Yellow-Green	D	PE-Texas Red	71426	71734	0	3.04	1716	14.36
561 Yellow-Green	C	7-AAD	77597	77607	0	3.06	2244	14.65
561 Yellow-Green	B	PE-Cy5-5	73870	73537	-1	3.15	2092	12.40
561 Yellow-Green	A	PE-Cy7	22072	21247	-4	4.99	490	16.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15366	3.28	336	1	N/A	N/A	Pass
Blue	C	SSC	63098	4.64	364	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	52.33	589	3	0.0229	0	Pass
Blue	A	PerCP	135	61.98	636	3	0.0044	260	Pass
Red	C	Alexa Fluor 647	126	52.95	601	-2	0.0068	55	Pass
Red	B	APC-Alexa 700	445	21.47	622	0	0.0059	1	Pass
Red	A	APC-Cy7	361	38.41	677	-2	0.0021	0	Pass
561 Yellow-Green	E	DsRed	529	18.77	666	-2	0.3835	0	Pass
561 Yellow-Green	D	PE-Texas Red	342	32.43	639	0	0.0267	0	Pass
561 Yellow-Green	C	7-AAD	416	36.37	729	-3	0.0297	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	403	30.72	663	-2	0.0227	179	Pass
561 Yellow-Green	A	PE-Cy7	104	36.03	489	-3	0.0206	13	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	-74.53	-73.78	1.01
561 Yellow-Green	-38.86	-38.07	0.97
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9846

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.84
Nozzle Size: 100

Comments