

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: 01/23/2017 12:02 PM
 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
 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	126331	1	6.25	128830	6.49
Blue	C	SSC	125000	123078	-2	4.05	124615	3.92
Blue	B	Alexa Fluor 488	24259	24079	-1	3.48	571	16.17
Blue	A	PerCP	32944	33090	0	5.01	888	22.16
Red	C	Alexa Fluor 647	25168	24851	-2	5.02	677	22.58
Red	B	APC-Alexa 700	79842	79677	-1	3.90	2105	10.56
Red	A	APC-Cy7	70914	70884	-1	4.78	1689	18.74
561 Yellow-Green	E	DsRed	93811	94011	0	2.39	2447	8.57
561 Yellow-Green	D	PE-Texas Red	71426	70634	-2	2.96	1686	14.19
561 Yellow-Green	C	7-AAD	77597	77515	-1	3.09	2231	14.76
561 Yellow-Green	B	PE-Cy5-5	73870	73839	-1	3.07	2091	12.78
561 Yellow-Green	A	PE-Cy7	22072	21428	-3	4.83	491	17.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17706	4.76	332	-3	N/A	N/A	Pass
Blue	C	SSC	64168	3.10	361	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	50.02	585	-1	0.0275	0	Pass
Blue	A	PerCP	137	62.09	633	0	0.0043	245	Pass
Red	C	Alexa Fluor 647	125	54.36	602	-1	0.0067	77	Pass
Red	B	APC-Alexa 700	448	21.72	622	0	0.0055	0	Pass
Red	A	APC-Cy7	360	39.85	679	0	0.0019	0	Pass
561 Yellow-Green	E	DsRed	535	19.01	668	0	0.3945	0	Pass
561 Yellow-Green	D	PE-Texas Red	336	33.34	638	-1	0.0280	16	Pass
561 Yellow-Green	C	7-AAD	419	36.62	732	0	0.0295	55	Pass

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561 Yellow-Green	B	PE-Cy5-5	405	30.60	665	0	0.0207	104	Pass
561 Yellow-Green	A	PE-Cy7	104	36.71	490	-2	0.0169	0	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	-72.46	-71.87	1.04
561 Yellow-Green	-37.57	-37.07	1.00
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 0.97

Threshold

Threshold (FSC): 10282

Fluidics

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

Comments