

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: 04/18/2017 10:31 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
 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	134537	7	5.42	135408	4.71
Blue	C	SSC	125000	121265	-3	3.77	122506	3.67
Blue	B	Alexa Fluor 488	24259	24018	-1	3.51	564	16.77
Blue	A	PerCP	32944	32808	-1	5.08	910	22.11
Red	C	Alexa Fluor 647	25168	24673	-2	5.04	674	22.11
Red	B	APC-Alexa 700	79842	78785	-2	4.44	2257	10.19
Red	A	APC-Cy7	70914	69614	-2	5.49	1856	17.72
561 Yellow-Green	E	DsRed	93811	93155	-1	2.71	2405	8.86
561 Yellow-Green	D	PE-Texas Red	71426	70288	-2	3.14	1675	13.91
561 Yellow-Green	C	7-AAD	77597	76573	-2	3.38	2246	14.64
561 Yellow-Green	B	PE-Cy5-5	73870	73512	-1	3.78	2205	12.82
561 Yellow-Green	A	PE-Cy7	22072	21008	-5	6.26	531	17.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17878	4.36	333	-2	N/A	N/A	Pass
Blue	C	SSC	62428	3.16	362	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	52.33	587	1	0.0259	0	Pass
Blue	A	PerCP	140	61.47	636	3	0.0041	228	Pass
Red	C	Alexa Fluor 647	128	52.19	601	-2	0.0070	74	Pass
Red	B	APC-Alexa 700	480	21.23	627	5	0.0061	475	Pass
Red	A	APC-Cy7	400	38.02	683	4	0.0020	103	Pass
561 Yellow-Green	E	DsRed	528	18.84	664	-4	0.3709	0	Pass
561 Yellow-Green	D	PE-Texas Red	336	33.14	635	-4	0.0298	35	Pass
561 Yellow-Green	C	7-AAD	420	35.93	730	-2	0.0295	46	Pass

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561 Yellow-Green	B	PE-Cy5-5	432	30.13	667	2	0.0201	118	Pass
561 Yellow-Green	A	PE-Cy7	115	34.21	494	2	0.0177	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	-73.65	-73.07	1.03
561 Yellow-Green	-38.37	-37.71	0.99
Blue	0.00	0.00	1.14

Window Extension: 2.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11045

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.84
Nozzle Size: 100

Comments