

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: 10/31/2016 10:52 AM
 Cytometer Baseline: 07/05/2016 09:47 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	124996	-1	2.38	125132	2.39
Blue	C	SSC	125000	122924	-2	3.37	124249	3.44
Blue	B	Alexa Fluor 488	24248	23949	-2	3.16	566	16.57
Blue	A	PerCP	33887	33640	-1	4.67	901	21.90
Red	C	Alexa Fluor 647	25051	24833	-1	4.39	677	21.87
Red	B	APC-Alexa 700	81413	80992	-1	3.30	2199	9.74
Red	A	APC-Cy7	71355	71592	0	4.28	1765	17.13
561 Yellow-Green	E	DsRed	88389	87708	-1	2.56	2275	8.84
561 Yellow-Green	D	PE-Texas Red	74661	74189	-1	3.10	1778	14.42
561 Yellow-Green	C	7-AAD	84478	84243	-1	3.21	2429	14.81
561 Yellow-Green	B	PE-Cy5-5	76749	76519	-1	3.34	2198	12.53
561 Yellow-Green	A	PE-Cy7	18983	17976	-6	4.00	423	15.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16641	5.41	336	1	N/A	N/A	Pass
Blue	C	SSC	63328	3.46	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	52.83	587	3	0.0262	0	Pass
Blue	A	PerCP	138	64.21	638	4	0.0044	353	Pass
Red	C	Alexa Fluor 647	124	53.37	601	-2	0.0072	93	Pass
Red	B	APC-Alexa 700	458	20.67	623	1	0.0063	0	Pass
Red	A	APC-Cy7	371	38.26	679	2	0.0023	201	Pass
561 Yellow-Green	E	DsRed	493	19.79	662	1	0.3770	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	34.37	642	-3	0.0273	29	Pass
561 Yellow-Green	C	7-AAD	449	36.01	739	2	0.0289	28	Pass

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561 Yellow-Green	B	PE-Cy5-5	426	30.40	666	3	0.0219	149	Pass
561 Yellow-Green	A	PE-Cy7	88	34.59	477	-4	0.0210	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	-73.67	-72.75	1.00
561 Yellow-Green	-38.46	-37.55	0.98
Blue	0.00	0.00	1.09

Window Extension: 2.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9747

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.70
Nozzle Size: 100

Comments