

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: 02/22/2016 01:46 PM
 Cytometer Baseline: 10/19/2015 04:27 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 82950 Expiration Date: 03/31/2016
 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	124181	-1	2.13	124280	2.15
Blue	C	SSC	125000	124850	-1	3.66	125870	3.73
Blue	B	Alexa Fluor 488	21893	21696	-1	3.29	497	17.66
Blue	A	PerCP	28999	29353	1	5.00	593	24.85
Red	C	Alexa Fluor 647	24023	23912	-1	4.52	522	25.05
Red	B	APC-Alexa 700	95610	95948	0	4.48	2660	16.58
Red	A	APC-Cy7	84656	85119	0	5.53	1559	20.00
561 Yellow-Green	E	DsRed	88087	87272	-1	2.11	1938	9.24
561 Yellow-Green	D	PE-Texas Red	79386	79555	0	2.65	1569	15.44
561 Yellow-Green	C	7-AAD	82932	82683	-1	3.05	1780	16.50
561 Yellow-Green	B	PE-Cy5-5	83720	84350	0	3.65	1781	14.10
561 Yellow-Green	A	PE-Cy7	22282	21474	-4	5.29	341	17.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13369	4.31	326	-8	N/A	N/A	Pass
Blue	C	SSC	67474	5.44	362	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	48.84	573	5	0.0227	0	Pass
Blue	A	PerCP	117	62.13	614	1	0.0045	274	Pass
Red	C	Alexa Fluor 647	148	48.06	598	-3	0.0071	72	Pass
Red	B	APC-Alexa 700	852	26.94	624	6	0.0015	0	Pass
Red	A	APC-Cy7	412	38.72	685	7	0.0020	31	Pass
561 Yellow-Green	E	DsRed	566	17.11	650	-8	0.3861	0	Pass
561 Yellow-Green	D	PE-Texas Red	434	30.06	646	-8	0.0269	0	Pass
561 Yellow-Green	C	7-AAD	446	34.52	717	-7	0.0300	39	Pass

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561 Yellow-Green	B	PE-Cy5-5	442	29.52	657	-1	0.0215	119	Pass
561 Yellow-Green	A	PE-Cy7	83	35.30	481	-2	0.0222	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	-72.65	-71.71	1.03
561 Yellow-Green	-37.99	-37.08	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10091

Fluidics

Sheath Pressure: 24.89 Sample Pressure: 23.79
Nozzle Size: 100

Comments