

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaIIIu
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 10/26/2015 11:35 AM
 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	125576	0	2.18	125644	2.27
Blue	C	SSC	125000	121491	-3	3.45	122512	3.45
Blue	B	Alexa Fluor 488	21893	21494	-2	2.97	488	18.08
Blue	A	PerCP	28999	28661	-2	4.55	584	24.76
Red	C	Alexa Fluor 647	24023	23680	-2	4.34	470	25.30
Red	B	APC-Alexa 700	95610	93884	-2	3.51	1844	11.00
Red	A	APC-Cy7	84656	82437	-3	4.37	1439	20.24
561 Yellow-Green	E	DsRed	88087	87068	-2	2.34	1919	9.41
561 Yellow-Green	D	PE-Texas Red	79386	78352	-2	3.03	1530	16.94
561 Yellow-Green	C	7-AAD	82932	81461	-2	3.12	1753	16.89
561 Yellow-Green	B	PE-Cy5-5	83720	82830	-2	3.60	1722	18.39
561 Yellow-Green	A	PE-Cy7	22282	21220	-5	4.08	354	17.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12661	3.65	334	0	N/A	N/A	Pass
Blue	C	SSC	65278	2.89	359	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	48.31	566	-2	0.0213	0	Pass
Blue	A	PerCP	114	64.34	614	1	0.0046	375	Pass
Red	C	Alexa Fluor 647	126	50.63	596	-5	0.0077	82	Pass
Red	B	APC-Alexa 700	475	21.18	618	0	0.0060	18	Pass
Red	A	APC-Cy7	347	41.23	682	4	0.0019	0	Pass
561 Yellow-Green	E	DsRed	569	17.17	652	-6	0.3782	0	Pass
561 Yellow-Green	D	PE-Texas Red	428	32.83	662	8	0.0229	0	Pass
561 Yellow-Green	C	7-AAD	430	36.12	717	-7	0.0288	49	Pass

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561 Yellow-Green	B	PE-Cy5-5	409	41.22	706	48	0.0124	187	Pass
561 Yellow-Green	A	PE-Cy7	83	37.06	484	1	0.0208	12	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	-72.32	-71.41	1.03
561 Yellow-Green	-37.81	-36.94	1.00
Blue	0.00	0.00	1.08

Window Extension: 2.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9661

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.79
Nozzle Size: 100

Comments