

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: 07/04/2016 09:50 AM
 Cytometer Baseline: 04/26/2016 09:22 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 82950 Expiration Date: 03/31/2016 (Expired)
 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	124290	-1	1.03	124394	1.05
Blue	C	SSC	125000	124661	-1	2.44	125759	2.51
Blue	B	Alexa Fluor 488	23483	23149	-2	2.38	533	16.37
Blue	A	PerCP	29631	29525	-1	4.05	573	25.28
Red	C	Alexa Fluor 647	23800	23284	-3	3.92	454	25.89
Red	B	APC-Alexa 700	89291	88967	-1	2.44	1542	11.10
Red	A	APC-Cy7	79063	78770	-1	3.17	1191	20.41
561 Yellow-Green	E	DsRed	89499	89158	-1	1.64	1985	9.16
561 Yellow-Green	D	PE-Texas Red	76034	75732	-1	2.24	1485	15.51
561 Yellow-Green	C	7-AAD	86998	86698	-1	2.55	1817	16.31
561 Yellow-Green	B	PE-Cy5-5	84542	84099	-1	2.31	1614	13.73
561 Yellow-Green	A	PE-Cy7	21961	21169	-4	2.74	312	17.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13675	2.19	332	-2	N/A	N/A	Pass
Blue	C	SSC	68923	2.60	364	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	104	44.16	579	0	0.0257	0	Pass
Blue	A	PerCP	114	63.33	616	2	0.0044	266	Pass
Red	C	Alexa Fluor 647	119	52.40	593	-3	0.0074	73	Pass
Red	B	APC-Alexa 700	379	22.16	615	-1	0.0062	0	Pass
Red	A	APC-Cy7	283	42.05	670	-1	0.0022	0	Pass
561 Yellow-Green	E	DsRed	588	17.19	659	3	0.3884	0	Pass
561 Yellow-Green	D	PE-Texas Red	413	30.86	643	-1	0.0271	9	Pass
561 Yellow-Green	C	7-AAD	446	35.83	730	5	0.0321	72	Pass

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561 Yellow-Green	B	PE-Cy5-5	378	32.21	657	1	0.0254	239	Pass
561 Yellow-Green	A	PE-Cy7	74	37.56	475	-3	0.0236	18	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	-72.98	-72.09	1.03
561 Yellow-Green	-38.14	-37.31	0.99
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10842

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.75
Nozzle Size: 100

Comments