

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: 02/02/2016 01:39 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	135429	8	3.20	135780	2.96
Blue	C	SSC	125000	125319	0	3.32	126439	3.30
Blue	B	Alexa Fluor 488	21893	21759	-1	3.17	496	17.15
Blue	A	PerCP	28999	29051	0	4.77	589	25.46
Red	C	Alexa Fluor 647	24023	24173	0	4.35	471	26.34
Red	B	APC-Alexa 700	95610	95948	0	3.03	1759	11.41
Red	A	APC-Cy7	84656	84921	0	3.81	1401	20.57
561 Yellow-Green	E	DsRed	88087	88468	0	2.04	2002	9.06
561 Yellow-Green	D	PE-Texas Red	79386	79444	0	2.55	1546	16.03
561 Yellow-Green	C	7-AAD	82932	83249	0	2.83	1773	16.81
561 Yellow-Green	B	PE-Cy5-5	83720	83695	-1	2.68	1685	14.49
561 Yellow-Green	A	PE-Cy7	22282	21858	-2	3.17	350	18.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15043	3.72	330	-4	N/A	N/A	Pass
Blue	C	SSC	67402	3.99	362	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	50.58	573	5	0.0259	16	Pass
Blue	A	PerCP	114	65.41	618	5	0.0043	318	Pass
Red	C	Alexa Fluor 647	125	53.91	603	2	0.0073	107	Pass
Red	B	APC-Alexa 700	431	23.11	629	11	0.0057	78	Pass
Red	A	APC-Cy7	338	43.53	686	8	0.0020	212	Pass
561 Yellow-Green	E	DsRed	599	17.24	657	-1	0.4078	1	Pass
561 Yellow-Green	D	PE-Texas Red	433	31.02	651	-3	0.0252	0	Pass
561 Yellow-Green	C	7-AAD	435	37.32	724	0	0.0301	89	Pass

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561 Yellow-Green	B	PE-Cy5-5	398	32.25	663	5	0.0208	146	Pass
561 Yellow-Green	A	PE-Cy7	84	36.63	485	2	0.0182	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	-72.00	-71.29	1.03
561 Yellow-Green	-37.49	-36.86	1.00
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10495

Fluidics

Sheath Pressure: 24.99 Sample Pressure: 23.84
Nozzle Size: 100

Comments