

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: 03/21/2016 11:41 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	125304	0	1.88	125483	1.86
Blue	C	SSC	125000	124339	-1	2.78	125420	2.90
Blue	B	Alexa Fluor 488	21893	21752	-1	2.70	501	17.21
Blue	A	PerCP	28999	28661	-2	4.34	565	24.66
Red	C	Alexa Fluor 647	24023	23833	-1	4.00	469	25.52
Red	B	APC-Alexa 700	95610	95106	-1	2.48	1672	10.89
Red	A	APC-Cy7	84656	84819	0	3.31	1299	19.98
561 Yellow-Green	E	DsRed	88087	88229	0	1.83	1976	9.07
561 Yellow-Green	D	PE-Texas Red	79386	78888	-1	2.40	1589	15.35
561 Yellow-Green	C	7-AAD	82932	82437	-1	2.61	1779	16.60
561 Yellow-Green	B	PE-Cy5-5	83720	82820	-2	2.42	1614	13.93
561 Yellow-Green	A	PE-Cy7	22282	21281	-5	2.88	317	18.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14483	4.67	329	-5	N/A	N/A	Pass
Blue	C	SSC	66024	3.78	362	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	49.42	572	4	0.0239	0	Pass
Blue	A	PerCP	109	65.05	610	-3	0.0048	377	Pass
Red	C	Alexa Fluor 647	123	50.24	594	-7	0.0074	28	Pass
Red	B	APC-Alexa 700	412	22.07	619	1	0.0065	0	Pass
Red	A	APC-Cy7	307	42.01	676	-2	0.0023	0	Pass
561 Yellow-Green	E	DsRed	584	17.34	654	-4	0.4052	0	Pass
561 Yellow-Green	D	PE-Texas Red	456	30.30	647	-7	0.0272	23	Pass
561 Yellow-Green	C	7-AAD	444	35.08	717	-7	0.0293	43	Pass

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561 Yellow-Green	B	PE-Cy5-5	381	30.42	653	-5	0.0229	92	Pass
561 Yellow-Green	A	PE-Cy7	76	36.58	476	-7	0.0208	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	-72.96	-72.20	1.02
561 Yellow-Green	-38.17	-37.29	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12117

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.89
Nozzle Size: 100

Comments