

Cytometer Performance Report

Cytometer: FACSriaII
Cytometer Name: FACSriaII
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns Standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 05/26/2015 11:51 AM
Cytometer Baseline: 01/07/2015 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 24628 Expiration Date: 08/31/2015
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	125354	0	2.99	125452	2.92
Blue	F	SSC	125000	122867	-2	4.85	123932	4.78
Blue	E	FITC	29655	29871	0	4.26	701	17.94
Blue	D	PE	44479	44243	-1	4.11	1004	18.31
Blue	C	PE-Texas Red	49988	49812	-1	5.10	1145	23.41
Blue	B	PerCP-Cy5-5	85836	83761	-3	6.69	3140	25.57
Blue	A	PE-Cy7	72140	71626	-1	8.90	2040	39.11
Red	B	APC	86986	86348	-1	3.43	3164	13.22
Red	A	APC-Cy7	76432	75903	-1	4.04	3186	13.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14546	9.26	381	14	N/A	N/A	Pass
Blue	F	SSC	62465	4.31	392	11	N/A	N/A	Pass
Blue	E	FITC	136	47.39	650	14	0.0216	0	Pass
Blue	D	PE	221	47.92	595	9	0.0812	58	Pass
Blue	C	PE-Texas Red	251	54.69	736	15	0.0072	87	Pass
Blue	B	PerCP-Cy5-5	387	76.48	856	18	0.0039	72	Pass
Blue	A	PE-Cy7	175	154.87	833	21	0.0066	34	Pass
Red	B	APC	600	29.93	717	11	0.0202	22	Pass
Red	A	APC-Cy7	362	39.48	686	1	0.0022	47	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Red 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	-50.77	-50.19	0.95
Blue	0.00	0.00	1.12

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Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9568

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.79
Nozzle Size: 100

Comments