

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: 02/09/2015 10:29 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	125077	0	3.61	125225	3.69
Blue	F	SSC	125000	122146	-3	5.31	123199	5.33
Blue	E	FITC	29655	29479	-1	3.77	686	16.45
Blue	D	PE	44479	44089	-1	3.73	1001	16.76
Blue	C	PE-Texas Red	49988	49811	-1	4.46	1138	22.54
Blue	B	PerCP-Cy5-5	85836	84692	-2	5.88	3153	24.16
Blue	A	PE-Cy7	72140	71684	-1	7.66	2049	36.85
Red	B	APC	86986	85830	-2	3.18	3145	12.69
Red	A	APC-Cy7	76432	76124	-1	5.30	3091	13.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14575	10.48	377	10	N/A	N/A	Pass
Blue	F	SSC	61839	4.47	385	4	N/A	N/A	Pass
Blue	E	FITC	129	47.34	637	1	0.0273	0	Pass
Blue	D	PE	218	44.99	587	1	0.0994	63	Pass
Blue	C	PE-Texas Red	244	52.06	722	1	0.0076	23	Pass
Blue	B	PerCP-Cy5-5	391	72.07	840	2	0.0044	67	Pass
Blue	A	PE-Cy7	189	135.48	815	3	0.0073	24	Pass
Red	B	APC	589	28.79	701	-5	0.0219	13	Pass
Red	A	APC-Cy7	346	39.62	676	-9	0.0022	0	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	-50.10	-49.51	0.95
Blue	0.00	0.00	1.09

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Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9767

Fluidics

Sheath Pressure: 24.76 Sample Pressure: 23.79
Nozzle Size: 100

Comments