

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: 02/16/2015 10:56 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	125140	0	2.89	125170	2.94
Blue	F	SSC	125000	122141	-3	5.10	123254	5.25
Blue	E	FITC	29655	29728	0	3.98	693	17.34
Blue	D	PE	44479	43998	-2	3.92	997	17.17
Blue	C	PE-Texas Red	49988	50209	0	4.82	1149	22.78
Blue	B	PerCP-Cy5-5	85836	85469	-1	6.20	3170	24.42
Blue	A	PE-Cy7	72140	72458	0	7.95	2044	36.26
Red	B	APC	86986	86142	-1	3.35	3152	13.08
Red	A	APC-Cy7	76432	75496	-2	6.65	3052	14.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14003	8.04	376	9	N/A	N/A	Pass
Blue	F	SSC	60730	4.54	383	2	N/A	N/A	Pass
Blue	E	FITC	129	49.42	638	2	0.0242	0	Pass
Blue	D	PE	215	45.09	586	0	0.0919	48	Pass
Blue	C	PE-Texas Red	241	53.97	722	1	0.0076	52	Pass
Blue	B	PerCP-Cy5-5	378	75.22	839	1	0.0044	84	Pass
Blue	A	PE-Cy7	184	136.65	815	3	0.0077	27	Pass
Red	B	APC	579	29.65	705	-1	0.0205	0	Pass
Red	A	APC-Cy7	328	42.91	686	1	0.0020	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	-49.87	-49.35	0.94
Blue	0.00	0.00	1.11

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Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10510

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.79
Nozzle Size: 100

Comments