

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: 04/27/2015 11:15 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	125183	0	2.92	125286	2.92
Blue	F	SSC	125000	122205	-3	3.95	123056	3.84
Blue	E	FITC	29655	29889	0	3.74	689	18.01
Blue	D	PE	44479	44382	-1	3.92	1002	19.51
Blue	C	PE-Texas Red	49988	50196	0	4.60	1141	24.14
Blue	B	PerCP-Cy5-5	85836	85746	-1	7.07	3230	27.81
Blue	A	PE-Cy7	72140	71371	-2	9.46	2049	39.35
Red	B	APC	86986	86150	-1	3.47	3151	12.92
Red	A	APC-Cy7	76432	74985	-2	10.03	3217	15.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12275	4.45	381	14	N/A	N/A	Pass
Blue	F	SSC	60182	3.56	390	9	N/A	N/A	Pass
Blue	E	FITC	128	50.30	647	11	0.0219	0	Pass
Blue	D	PE	214	54.71	619	33	0.0744	87	Pass
Blue	C	PE-Texas Red	244	54.29	732	11	0.0065	0	Pass
Blue	B	PerCP-Cy5-5	376	87.24	874	36	0.0033	93	Pass
Blue	A	PE-Cy7	175	151.17	829	17	0.0065	26	Pass
Red	B	APC	581	30.28	713	7	0.0217	60	Pass
Red	A	APC-Cy7	358	43.26	698	13	0.0025	1072	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	-50.19	-49.65	0.95
Blue	0.00	0.00	1.15

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Window Extension: 2.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9656

Fluidics

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

Comments