

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: 03/16/2015 11:19 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	124952	-1	2.91	125089	2.82
Blue	F	SSC	125000	121021	-4	4.22	121877	4.17
Blue	E	FITC	29655	29530	-1	3.65	687	17.28
Blue	D	PE	44479	44366	-1	3.62	1005	17.31
Blue	C	PE-Texas Red	49988	50449	0	4.44	1150	22.82
Blue	B	PerCP-Cy5-5	85836	85906	0	5.60	3224	24.12
Blue	A	PE-Cy7	72140	71776	-1	7.48	2066	38.12
Red	B	APC	86986	86245	-1	3.38	3146	12.92
Red	A	APC-Cy7	76432	75692	-1	3.87	3214	12.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12486	3.48	377	10	N/A	N/A	Pass
Blue	F	SSC	60143	3.51	386	5	N/A	N/A	Pass
Blue	E	FITC	128	48.12	641	5	0.0236	0	Pass
Blue	D	PE	218	45.85	590	4	0.0907	55	Pass
Blue	C	PE-Texas Red	249	53.00	727	6	0.0075	47	Pass
Blue	B	PerCP-Cy5-5	394	73.71	843	5	0.0044	87	Pass
Blue	A	PE-Cy7	179	144.53	821	9	0.0067	22	Pass
Red	B	APC	581	29.80	705	-1	0.0214	30	Pass
Red	A	APC-Cy7	352	38.59	675	-10	0.0023	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	-50.02	-49.43	0.97
Blue	0.00	0.00	1.13

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Window Extension: 2.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10521

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.79
Nozzle Size: 100

Comments